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MARYVILLE COLLEGE

The 169th Year

Catalog
1988 - 1990

Accreditation

Maryville College is accredited by the Southern Association of Colleges and Schools, the regional accrediting agency. The National Association of Schools of Music accredits the major programs in music education and performance. The College's programs in teacher education are approved by the Tennessee Department of Education.

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1988, The 169th Year

Maryville, TN, 37801 615/982-6412
1-800-227-2976 (in state), 1-800-648-1226 (out of state)

Table of Contents

Accreditation . . . . . inside front cover
Educational Goals 3
Statement of Purpose 3
History 4
The Academic Year 5
Admissions 6
Expenses 11
Financial Aid 14
Student Life 17
Student Services 19
The College Campus 20
The Academic Program 21
Special Learning Opportunities 26
Career and Graduate School Preparation 31
Academic Procedures and Regulations 36
Specialized Programs of Instruction 42
Bachelor of Arts Degree 42
Bachelor of Music Degree 106
Bachelor of Science in Nursing Degree 112
Directory 117
Board of Directors 126

Educational Goals

Maryville College is committed to being one of the finest liberal arts colleges in the South and the finest liberal arts college in East Tennessee.

A Maryville education provides a range of intellectual skills, a breadth of knowledge and understanding and a firm base for intensive study in a major field. It also helps the student become culturally aware, service-oriented and consciously ethical with a real concern for values and a capacity to make morally informed decisions.

With a liberal arts education the student leaves Maryville able to think, to reason and to communicate—fundamental arts which will provide the capacity for life-long learning.

Maryville's expanding curriculum is revamped frequently to help develop these attitudes and the skills and knowledge needed to live a successful, productive and satisfying life. The College has also tried to internationalize the curriculum to prepare the student for the global environment which marks today's world.

Along with its dedication to academic excellence, Maryville offers the student an opportunity to interact with highly qualified, committed faculty and receive individual attention and assistance during the college years.

Openness has been one hallmark of Maryville's history; creative response to changing needs and circumstances has also been characteristic. Maryville has developed a system of campus governance with a student senate, which enables students to share in decision making.

The College's concern for students as individuals is reflected in its counseling services. Junior or senior resident assistants are available on each floor of each residence hall. Academic advisers, assigned at the start of the freshman year, help in selecting a major course of study and with other academic or personal problems.

The College also provides trained counselors at the Life Enrichment Center whose services are free. The College Chaplain is always available for help and counseling.

Statement of Purpose

Maryville College is a liberal arts, church-related college. It strives to be an instrument of liberation and growth for adults of all ages. Through its curriculum the College affirms the continuing values of a broad range of study in the humanities, the sciences, and the arts. Avoiding narrow specialization, the College aims to enhance career opportunities and develop a true sense to vocation. To prepare students for a world of uncertainty and accelerating change, the College seeks to stimulate purposeful inquiry, to encourage analytical thinking and effective expression, to foster discriminating aesthetic taste and sound judgment, to provide opportunity for developing personal values, and to nurture the deep concern for persons that leads to constructive action.

Founded by leaders of the Presbyterian/Reformed tradition, Maryville College is related to the Presbyterian Church U.S.A. in a voluntary covenant. In an atmosphere of freedom and sensitivity, Maryville College

bears witness to God's revelation in Jesus Christ who challenges all human beings to search for truth, to work for justice, to develop wisdom, and to become loving persons. Continuing in this vital faith, the College believes that it must listen attentively and humbly to all human voices so that it may hear the call of God no matter how God may speak.

Maryville College is, in essence, a community for learning. This community includes persons with a variety of interests, backgrounds, beliefs, and nationalities. The faculty, as a group of scholars committed to the preservation and advancement of knowledge, emphasizes effective teaching and encourages supportive relationships with students. The students are challenged to grow in academic competence, personal and social maturity, and spiritual discernment and commitment. In such an atmosphere of openness and caring, lasting friendships are formed. Through caring for others on campus and beyond, sharing genuine concern for the world, and working to fulfill the College's purpose, directors, administration, staff, faculty, and students strive to build and strengthen the human community.

Adopted April 1980

History

As Maryville College looks to the future it is building on a distinguished past.

Founded in 1819 under the direction of the Presbyterian Church, it welcomes men and women of all faiths and ethnic backgrounds. It is the twelfth oldest institution of higher education in the South.

In 1875, Maryville was the first college in Tennessee to award a B.A. degree to a woman. In May, 1954, when state segregation laws were struck down by the United States Supreme Court, the College returned immediately to its earlier policy of admitting students of all races.

The College owes its existence to the vision and perseverance of the Reverend Isaac Anderson, a circuit-riding Presbyterian minister. He believed that what was then called the southern wilderness needed trained ministers and teachers, and he presented his case to the Synod of Tennessee of the Presbyterian Church. The Synod voted to establish in Maryville the Southern and Western Theological Seminary which became Maryville College.

The Academic Year

The academic year extends from late August to the latter part of May. The year is divided into two 15-week semesters and a three-week interim period in January. Beyond the academic year, the College offers two summer sessions of three weeks duration.

The College's continuing education program operates on a different calendar arrangement, one more suitable for the part-time student. For details on that calendar, consult the annual bulletin of the Maryville College Continuing Education Degree Program.

Calendar

1988-89		1989-90
	FALL SEMESTER	
Sept. 2, 1 p.m.	Residence halls open for freshmen	Sept. 1
Sept. 3, 8:30 a.m.	Orientation for new students begins	Sept. 2
Sept. 6	Registration for new students	Sept. 5
Sept. 7	Registration for returning students	Sept. 6
Sept. 8, 8 a.m.	Classes Begin	Sept. 7, 8 a.m.
Sept. 8, 11:15 a.m.	Opening Convocation	Sept. 7, 11:15 a.m.
Sept. 20, 7 p.m.	English proficiency examination	Sept. 19, 7 p.m.
Oct. 12	Last day to withdraw from a course and receive a grade of "W"	Oct. 11
Oct. 22	Homecoming	~~TBA~~ Nov. 4
Oct. 28-30	Long weekend	Oct. 20-22
Nov. 10-11, 1:30 p.m.	Comprehensive examinations	Nov. 9-10, 1:30 p.m.
Nov. 23-27	Thanksgiving vacation	Nov. 22-26
Dec. 13	Classes end	Dec. 12
Dec. 14-17	Examination period	Dec. 13-16
Dec. 18, Noon	Residence halls close	Dec. 17, Noon
	INTERIM	
Jan. 3, 2 p.m.	Residence halls open	Jan. 2, 2 p.m.
Jan. 4, 9 a.m.	Classes begin	Jan. 3, 9 a.m.
Jan. 24, 3 p.m.	Residence halls open for new students	Jan. 23, 3 p.m.
Jan. 24, 5 p.m.	Classes end	Jan. 23, 5 p.m.
	SPRING SEMESTER	
Jan. 25, 9 a.m.-noon	Registration for new students and those returning students with NO schedule changes	Jan. 24, 9 a.m.-noon
Jan. 25, 1-4 p.m.	Registration for returning students WITH schedule changes	Jan. 24, 1-4 p.m.
Jan. 26, 8 a.m.	Classes begin	Jan. 25, 8 a.m.
Jan. 31, 7 p.m.	English proficiency examination	Jan. 30, 7 p.m.
Feb. 22	February meetings Community Day NO CLASSES	Feb. 28
March 1	Last day to withdraw from a course and receive a grade of "W"	Feb. 28
March 11-19	Spring vacation	March 17-25
March 24	Good Friday-Classes end at noon	April 13
April 20-21, 1:30 p.m.	Comprehensive examinations	April 19-20, 1:30 p.m.
May 5, 10 p.m.	Classes end	May 4, 10 p.m.
May 8-11	Examination period	May 7-10
May 14, 10:30 a.m.	Baccalaureate	May 13, 10:30 a.m.
May 14, 2:30 p.m.	Commencement	May 13, 2:30 p.m.
May 14, 9 p.m.	Residence halls close	May 13, 9 p.m.
May 15-June 2	**ALTERNATE INTERIM**	
	SUMMER TERM	
May 22-June 9	First three-week term	May 21-June 8
June 12-June 30	Second three-week term	June 11-June 29
May 22-June 30	Six-week term	May 21-June 29

Admissions

Admissions Procedure

Admission to Maryville is moderately selective. Annually the College will admit approximately 80 percent of those who apply. Students are admitted based on academic criteria, extracurricular interests, and personal achievement, without regard to financial need.

The College operates on a rolling admissions calendar which begins to admit eligible students in September of each year. Students who wish to apply to Maryville College should follow the application procedure below:

A. To apply for admission as a freshman directly from high school, the student should submit the following items:

1. Application for admission. Students pay a nonrefundable $15 application fee.
2. School Report Form: This form is included with the application for admission. Ask the guidance counselor to complete the form and mail it to Maryville College's Office of Admissions.
3. Official transcript of high school work.
4. Scores from either the American College Testing Program (ACT) or the Scholastic Aptitude Test (SAT) of the College Entrance Examination Board.

When the file is complete, the student's application will be evaluated and the decision communicated to him or her as quickly as possible.

B. To apply for admission as a transfer, the student should submit the following items:

1. Application for admission. Students pay a $15 nonrefundable application fee.
2. Official secondary school transcript mailed by the high school.
3. Official transcript from EACH college attended.
4. Scores from either the American College Testing Program (ACT) or the Scholastic Aptitude Test (SAT) of the College Entrance Examination Board.
5. Student Evaluation Form: This form is included with the application and must be completed by the Student Development Office at the last college attended.
6. Financial Aid Transcript: This form is obtained either from the Maryville College Office of Admissions or Financial Aid. The student should submit a form from EACH college attended.

Transfer students are notified regarding admission as soon as all of the documents have been received and fully evaluated. An estimate of transfer credits can be furnished at any time.

C. To apply as an international student, the applicant should submit the following forms:

1. Application for admission. Students pay a $15 nonrefundable application fee. International students are discouraged from entering Maryville in January.

2. Official transcript from the secondary school showing 12 years of coursework or more. This document should be in English.

3. Score from Test of English as a Foreign Language (TOEFL). A 525 score is required for full-time admission into the day program.

4. Letter or statement of financial responsibility certifying total resources and who will pay the student's educational and living expenses.

Students who are not proficient in English may request admission to the Center for English Language Learning.

High School Students

Normally the requirement for admission is the satisfactory completion of a four-year course of at least 15 units in a secondary school approved by a recognized approving agency, or equivalent preparation demonstrated through examination. The secondary school credits should include:

1. Four years of English (The senior English composition course is especialy important.)

2. One year of laboratory science such as biology, chemistry, physics, earth science.

3. Two years of algebra or one year of algebra and one year of geometry.

4. One year of social studies or history.

5. At least five elective academic units among the following: mathematics (excluding general mathematics and arithmetic), science, social studies, foreign languages, Bible and music theory.

6. Although foreign language is not required for admission, it is strongly recommended. Entrance credit in a foreign language will not be allowed for fewer than two units in one language.

Transfer Applicants/Transfer Credit

Students who have completed coursework at another regionally accredited college/university may be considered for entry to Maryville College in either the fall or spring semester in accordance with the following guidelines:

1. A transfer applicant who would have been admissible to Maryville College as a first-time freshman will be admitted with at least a 2.0 (C) or better grade point average attained in college work.

2. A transfer applicant who was inadmissible as a first-time freshman must present a minimum grade average of 2.5 (C+) in at least 30 semester hours or the equivalent credit hours. The majority of the coursework must be in college-level academic subjects. A student in this category who has completed fewer than 30 semester hours at another accredited institution may be considered on an individual basis provided he/she has achieved better than a 2.5 grade point average in regular academic courses. Generally, regular academic courses in which the student has earned a grade of "C" or above will be transferred and applied toward graduation requirements. For graduation, students will need to satisfy the requirements listed in the degree requirements section of this catalog.

The Office of the Registrar is responsible for evaluating transfer credits and will be as flexible as possible in evaluating coursework successfully completed at other accredited institutions.

International Students

In order to receive admission to Maryville students from other countries should present a strong record of achievement. The required minimum TOEFL score is 525. If an international student applies for admission who has an acceptable academic record but whose TOEFL score is below Maryville's requirement, he/she will be offered admission to the Maryville College Center for Intensive English Language Study and required to satisfactorily complete an appropriate level of English study before moving into the College's academic program.

Veterans

Maryville College welcomes veterans who would like to begin or continue their college education and will accept courses of the U.S. Armed Forces Institute for transfer credit if those courses are comparable to Maryville's course offerings.

Early Admission

Students who have completed the junior year of high school may request consideration for early admission. It is important to furnish evidence of a strong high school record and above average test scores, as well as a letter from the principal or guidance counselor indicating that the applicant has the intellectual and social maturity to profit from college study. A personal interview with an admissions officer is mandatory.

Qualified local high school seniors who have time in their schedules for additional courses are encouraged to enroll on a part-time basis. These students may obtain full details, upon request, from the Director of Admissions.

Conditional Admission

Students who are unable to meet the normal admissions criteria are occasionally admitted to the College under the conditional admission program. All such cases are reviewed by the admissions committee, and students receiving conditional admission are subject to specific requirements regarding course work and extracurricular activities. Details regarding conditional admission are available from the Director of Admissions.

Withdrawal Procedure

If a student plans to withdraw from the College, the Office of Student Life and the Business Office must be notified and an official withdrawal process completed. Failure to attend class does not automatically withdraw or drop a student from a class or the College.

Should a student decide during the year or at the close of the year to teminate enrollment at Maryville, the procedure is as follows:
(1) Arrange for an exit interview in the Office of Student Life. (2) Secure from the Office of Student Life a check-out sheet for various areas of the College. (3) Have each area on the sheet signed. (4) Return the sheet along with I.D. card to the Business Office. Should a refund be in order, the Business Office will make the appropriate adjustment.

Credit by Examination

1. Advanced Placement Examination Program of the College Entrance Examination Board: Students who have taken college-level courses in high school and have made a score of 3 or above on one or more AP examinations will be eligible for placement in advanced courses and may be granted college credit upon approval of the instructional departments involved.

2. College Level Examination Program (CLEP): Listed below are the subject examinations. Usually if a student's score is at least at the 50th percentile he or she can expect to receive credit for the designated course(s). The College urges applicants to submit these tests no later than the summer prior to their freshman year.

3. American College Testing program Proficiency Examinations. Listed below are the proficiency examinations. In most fields a score of 45 is considered passing.

CLEP Subject Examinations

American Literature
Anaysis and Interpretation of Literature
College Composition
English Literature
Freshman English

Calculus with Elementary Functions
College Algebra
Trigonometry
College Algebra-Trigonometry
General Biology
General Chemistry*

Computers and Data Processing
Introduction to Management
Introductory Accounting
Introductory Business Law
Introductory Marketing
Introductory Micro- and Macroeconomics

American Government
American History I
American History II
Western Civilization I
Western Civilization II
Educational Psychology
General Psychology
Human Growth and Development
Introductory Sociology

College French—levels I & II
College German—levels I & II
College Spanish—levels I & II

ACT Proficiency Examinations

Abnormal Psychology
Afro-American History
American History
Anatomy and Physiology
Earth Science
Foundations of Gerontology
Freshman English
Microbiology
Physical Geology
Shakespeare
Statistics

Management of Human Resources—level I
Management of Human Resources—level II
Management of Human Resources—level III
Marketing—level I
Operations Management
Business Policy

Educational Psychology
History of American Education
Reading Instruction in the Elementary School

Accounting	Corrective and Remedial Instruction in
Finance	Reading

*Provides six hours of course credit. To obtain credit for additional two hours of laboratory experience, students must either:

(1) demonstrate satisfactory knowledge of laboratory techniques or

(2) enroll in the laboratory portion of general chemistry and complete it satisfactorily.

No more than 32 credit hours may be counted toward graduation requirements for any combination of credit by examination, independent study, instructional television or other non-traditional modes of learning.

Continuing Education Degree Program

Maryville College believes that the benefits of a liberal arts education should be available to mature adults. To this end, the College offers degree and certification programs which build upon adult experiences, interests and aspirations. Classes meet evenings or on the weekend. For details, interested persons should contact the Office of Continuing Education.

The Center for English Language Learning (MC CELL)

The Center for English Language Learning is an intensive English language program for international students, with language instruction on all levels. Students who need English as a second language for either professional or academic purposes are placed individually into one of five different levels. Four levels are full-time and one is part-time (taken while enrolled in regular College courses). Each level consists of 10 weeks of instruction, divided into two five-week sessions.

Students who enter Maryville College after completion of the program are granted college credit (up to nine hours) for the work done in MC CELL. If all other requirements for admission into the College are met, enrollment into the College may be accomplished by completing the English program, by scoring over 80 on the Michigan Test, or by scoring over 525 on the TOEFL test.

All students share the same privileges and responsibilities as Maryville College students, and they are encouraged to participate in campus-wide activities. The MC CELL program also sponsors activities during each session. Students are housed in the College residence halls.

Students interested in knowing more about MC CELL should write to the Director of MC CELL, Box 2898, Maryville College, Maryville, TN 37801 USA.

Expenses

Each student is charged tuition and fees which cover approximately 60 percent of the cost of services received from the College. The remainder of these costs is met by endowment income and by gifts from board members, alumni, and other friends of the College.

Tuition and fees shown are for 1988-89 and are subject to change. Tuition charges are assessed for each of the 15-week semesters as follows:

	Credit Hours Per Semester	Tuition
Normal Load	12-16	$2,790
Part-time Load	Fewer than 12	$235/credit hour
Overload	17 or more	$2,790 plus $175/ credit hour for all hours above 16

Basic charges for 1988-89, excluding books and supplies:

Tuition (including Interim)	$6,195
Board	1,815
Room (average charge)	1,435
Activity Fee	120
	$9,565

Fees

Individualized reading course	$ 60
Auditing fee per course	50
Application fee (non-refundable)	15
Graduation fee	40
Late registration fee	25
Studio Art fee	50
Proficiency exam fee	40
Student teaching	70
Laboratory fee	25
PE Activity fee (Mountain Challenge courses have fees which vary according to the activity)	15
Transcript (after first one)	2

Dropping or adding a course

During the week of registration $10 will be charged for a change of schedule (drop or add). After the week of registration, $10 will be charged for adding a course and no charge will be made for dropping a course.

Applied Music Fees

The applied music fee includes use of practice rooms and instruments as well as additional instructional costs. Most lessons are given by members of the departmental staff. Occasionally lessons are arranged for an advanced student with a master teacher in the area. In such cases the student registers with the College and financial arrangements are made with the teacher.

Music Majors	Per Semester	Interim (Optional)
All lessons must be taken for credit		
1. 1 half-hour private lesson per week	$110	$24
2. 2 half-hour private lessons per week in same field, or 1 lesson each in two fields	165	48
3. Class lessons in each field, offered in: piano, voice, strings, brass woodwinds, percussion, guitar	55	
4. Introduction to Theoretical Skills	55	
Non-Music Majors		
All lessons must be taken for credit		
1. 1 half-hour private lesson per week	165	37
2. 2 half-hour private lessons per week in same field, or 1 lesson in two fields	275	61
3. Class lessons in each applied field (two meetings each week), offered only in piano and guitar	85	
Piano Fundamentals 099 **(1 half-hour lesson)**	165	

Payment Policy

All Maryville College students upon acceptance pay a $100 general deposit of which $50 is credited toward tuition and $50 toward room deposit. Commuting students pay tuition deposit of $100. (This deposit is refundable until May 1.)

Payment Adjustments

Room and meal rates do not cover vacation periods or costs of off-campus study, but adjustments are made in board for officially authorized field trips of a week or longer during the interim period. Adjustments in payments are also made for students who enroll later than the fall semester or who meet graduation requirements before the end of the academic year.

Refund Policies

A student who withdraws officially from Maryville College will be given a refund of tuition as follows:

Withdrawal	Percentage of Refund
Within 7 calendar days of 1st day of classes	80%
Within 8-14 days	60%
Within 15-21 days	40%
Within 22-28 days	20%
After 28 days	No Refund

A withdrawal becomes official as of the date the proper withdrawal forms (see withdrawal procedures section of the catalog) are signed by the Office

of Student Affairs staff and delivered to the Business Office.

Failure to notify the Office of Student Affairs or the Business Office promptly when withdrawing could result in a larger percentage being charged. Withdrawal does not cancel fees and charges already incurred.

Proper consideration will be given to a student who withdraws because of illness of physical disability or other serious causes. Refunds for students withdrawing for these reasons are subject to approval by the Academic Vice President.

A student who is requested to withdraw, or who is expelled for disciplinary cause, will receive no refund of tuition or general fees. A pro rata refund of board only will be made for the remainder of the semester in which the suspension occurs.

For a student who withdraws officially from the College, no refund of that portion of the room charge will be made after the first day of classes. A pro rata refund of board only for the remainder of the semester in which the withdrawal occurs will be made.

No refunds are made for students dropping a class after the class has first met.

Financial Aid

To be considered for financial assistance at Maryville College, a student must be accepted for admission, submit a Financial Aid Form (FAF) to the College Scholarship Service, and submit an Institutional Application for Financial Assistance to the Financial Aid Office. Transfer students must also provide a Financial Aid Transcript.

The necessary forms may be obtained from the Financial Aid Office, the Admissions Office, and most high school guidance offices. Since financial aid packages consisting of one or more types of assistance are awarded on a "first come, first served" basis to eligible applicants, it is wise to complete and submit all the required forms as early as possible. The preferred filing date for the FAF is March 1 or earlier. Applicants must re-apply on an annual basis.

Satisfactory Progress To Retain Financial Aid

Continuation of financial aid from year to year is contingent upon acceptable academic performance and assessment of individual need. A student who falls below specified minimum standards for progress toward a degree loses eligibility for assistance from federal, state, and institutional sources. The minimum standards for progress are explained in the Student Handbook.

Scholarships

The Presidential Scholars Program offers full-tuition scholarships to prospective freshmen. Students receiving one of these four-year, renewable awards also participate in a program of challenging activities. In addition, the Maryville College Scholarship—a $2,000 award—is offered to applicants possessing exceptional academic ability.

Scholarships in music, band, art, choir, drama, and debate are offered to new students based on talent and achievement. Freshmen who are communicant members of the Presbyterian Church U.S.A. are eligible to apply for the National Presbyterian College Scholarship. Freshmen and transfer students may also apply for the Church and College Scholarship and the MC Church Matching Scholarship, if applicable.

Additional scholarships are available to students of superior academic ability, character and promise. The scholarships originate from various designated funds, such as the following:

Alcoa Foundation Scholarship
Andrew L. Alexander Memorial Scholarship Fund
T. T. Alexander Scholarship
Hyman and Bess Arnowitz Scholarship Fund
Mary McArthur Beard Scholarship Fund
Orlean B. Beeson Scholarship Fund
Grace Josephine Blank Scholarship Fund
Bount County Alumni Association Scholarship
Blount National Bank Scholarship Fund

Anna Holland Breen Scholarship
David Briggs Scholarship Fund
Samuel Fewell Broughton Scholarship
Ernest C. Brown Scholarship Fund
Frances Brown Scholarship Fund
Lowell A. Bunge Scholarship Fund
Robert and Nancy Ailey Burchfield Scholarship Fund
Charlotte Newcombe Foundation Scholarship
Class of 1912 Scholarship Fund
Class of 1943 Memorial Scholarship
Class of 1958 Memorial Scholarship
Emily Simpson Courtenay Scholarship
Betty C. Congleton Scholarship
Mr. and Mrs. Edward S. Cowdrick Scholarship Fund
Kenneth Cox Memorial Scholarship Fund
Earle W. and Helen Crawford Scholarship Fund
Dr. Samuel Earle & Erma Hall Crawford, Sr., Scholarship
Katherine C. Davies Fine Arts Award
Mr. and Mrs. Carle Davis Scholarship Fund
The Dawson Scholarship Fund
Minibel S. Dean Scholarship Fund
Henry R. Duncan Scholarship Fund
Russell Edwards Scholarship Fund
Charles and Mary Ensign Scholarship Fund
First Tennessee Bank Scholarship Fund
Honarine Cozart Fergerson Scholarship Fund
Margaret Gaston-Cooper Scholarship
Carrie Lou Goddard Scholarship Fund
J. Delmar & Nell Lauderback Green Tuition Assistance Fund
Laura B. Hale Scholarship
Harrison Memorial Scholarship
Clemmie J. Henry Scholarship
William G. Hoffner Memorial Scholarship Fund
Lombe Scott Honaker Scholarship Fund
George Dewey Howell Scholarship Fund
John L. and Elsbeth Kind Memorial Scholarship Fund
Dan Kinsinger Memorial Scholarship Fund
Kittrell Memorial Scholarship Fund
Kiwanis Scholarship
George Knapp Math Award
George Knapp Physics Award
La Jolla Presbyterian Church Scholarship
Aileene Lenderman Scholarship
Robert L. Maclellan Scholarship Fund
Maryville College Women's Club Scholarship
E. E. McCurry Scholarship
Charles Morton and Octavia Wilson Merrill Scholarship Fund
Robert Breaker Moore Scholarship Fund
Op Den Graef-Levering-In Den Hoeven Scholarship Fund
Dr. James A. Padgett Trust Fund
Fred C. Peterson Scholarship Fund

John M. Poland Scholarship Fund
Verton Queener Award
Harold Ramger Memorial Scholarship
Fay Rimmer Scholarship
Ellen Hitch Templeton Scholarship Fund
Herman E. Whittle Scholarship

Grants

Maryville also offers a wide variety of grants to students who qualify for consideration.

In addition to offering the Maryville College Grant, the College participates in federal student aid programs, including the Pell Grant and Supplemental Educational Opportunity Grant (SEOG), which award assistance to undergraduate students on the basis of financial need.

Residents of Tennessee may apply for a state grant via the Tennessee Student Assistance Corporation. Awards are made on the basis of financial need.

Students at Maryville who are eligible may also use Veterans Administration and Vocational Rehabilitation benefits to finance their education.

Loans

Students who wish to pay part of their college expenses on a deferred or installment basis may apply for short-term loans through the College Rotating Loan Fund. Under this program, all MC students enrolled in an academic program and who are in good credit standing with the College may apply to secure a loan for a maximum of one-half of the net amount due at each registration. The loan is repaid in monthly installments during the period for which it is borrowed. A service charge is assessed.

The College also participates in the National Direct Student Loan and Guaranteed Student Loan Programs which provide long-term loans to qualified students.

More extended plans for installment payment of educational expenses may be arranged with commercial agencies. These services include Academic Management Service, The Tuition Plan, Tuition Reserve and Deposit Plan.

Employment

Part-time work for students is available in many areas of campus activities. Earnings depend upon the degree of skill, the amount of personal responsibility and time involved and financial need.

Students not demonstrating need but who possess special skills or ability may also apply.

More detailed information regarding specific types of student aid may be obtained from the Office of Financial Aid, Anderson Hall, Maryville College, Maryville, TN 37801.

Student Life

Education is an experience that involves both formal academic structures and informal activities. At Maryville, students have great opportunities to develop mind, body, and spirit through a wide variety of campus activities.

Clubs, Organizations, and Societies

All-College Council, Student Senate, and the Student Programming Committee are a few of the organizations in which students have the chance to participate in Maryville's academic affairs, religious life, and social, cultural, and recreational events. There are numerous clubs and organizations at Maryville, including Circle K, Debate Club, Fellowship of Christian Athletes, Outdoor Club, and International Club, just to name a few. Many students enjoy working on Maryville's campus publications. The "Highland Echo" is the college newspaper; the "Chilhowean" is the yearbook; and "Impressions" is the college literary publication.

Maryville also has many professional and honor societies in which students can get to know other students with similar interests. Honor societies for chemistry, drama, sign language, and music are a few possibilities for campus as well as professional involvement.

The Center for Campus Ministry

Many opportunities for religious growth, personal maturity, and community service exist at Maryville. The Center for Campus Ministry houses the College chaplain's office, worship center, and meeting space. Once a week, students, faculty, and staff may gather at the CCM to worship. The College Chaplain is always available to offer support through confidential counseling.

Maryville College is affiliated with the Presbyterian Church U.S.A. and encourages spiritual growth through denominational and interdenominational activities.

Music, Theatre, and the Arts

The College Concert Choir performs for special services on and off campus and tours the nation—and the world. The Highlander Band can be heard at Scot football games. Guest artists and soloists perform in concert with the Maryville-Alcoa College-Community Orchestra, and the Maryville Orchestra and Wind Ensemble are great outlets for those who would rather perform than watch.

Through the Maryville College Playmakers, the Appalachian Ballet Company, and Maryville College's Performing Artists Concerts, students enjoy an excellent mix of classical and contemporary theatre and dance. Creative art exhibits featuring student and professional works are scheduled each month in the Fine Arts Center Gallery.

International House

The International House was established as a multi-functional facility to service the needs of the growing international student community on the Maryville College campus and to further good international understanding among all of the College's students. The first floor houses a meeting area, a prayer room, study rooms, and a kitchen for students who want to recreate the tastes of their home. Renovations being carried out on the second floor will improve the International House's usefulness to both the international students and the internationally-minded community.

Athletics

Maryville's Fighting Scots compete in the National Collegiate Athletic Association, Division III. Men's varsity sports include baseball, basketball, cross-country, football, and soccer. Tennis is a club sport. Maryville women compete in basketball, cross-country, soccer, softball, tennis, and volleyball. Intramurals at Maryville include flag football, racquetball, basketball, volleyball, softball, and table tennis.

Maryville's Physical Education and Recreation Building offers every opportunity for students to keep in shape. Facilities include a swimming pool, three gyms, racquetball courts, a weight room, a gymnastics room, and more. Outside are tennis courts, running trails, and athletic fields.

Student Center

Fayerweather Hall is located centrally on campus and provides easy access to classes. Students gather at Fayerweather Hall to watch big screen TV at Isaac's Snack Bar, to shop at the bookstore, or to pick up their mail from the campus post office.

Residence Halls*

A majority of Maryville students live on campus in one of four residence halls: Copeland, co-ed; Davis, women; Gamble, men; and Lloyd, co-ed. All of the halls are conveniently located near Pearsons Dining Hall.

*Residency Requirement

All students not living with parents or close relatives are required to live in on-campus housing and participate in the college meal plan. The College reserves the right to revoke the registration of any unmarried student who fails to comply with this policy.

Student Services

Career Planning and Placement

Aware of the current demand for career-oriented programs, Maryville provides opportunities for internships, practicums and interim study arrangements which help the student gain job-related experience.

The Career Planning and Placement service seeks to prepare students to evaluate career and life choices. Beginning at the freshman level, the CPP director works with students and arranges group counseling sessions. The office also sponsors career information seminars and workshops and maintains a Career Resource Library.

It also makes available listings for part-time employment and summer jobs. It schedules interviews with graduate school representatives and potential employers on campus and maintains information on career opportunities with major companies nationwide.

Academic Advising

Every student has a faculty adviser who is ready to help with course schedules, career plans or personal problems. Students meet their freshman year advisers during orientation week and change to a departmental adviser when they declare a major, usually in the spring of the freshman year. While students are ultimately responsible for knowing college requirements and planning their schedules, faculty advisers are an important part of the personalized atmosphere of the College.

Medical Services and Health Insurance

Maryville College provides full medical services through Blount Memorial Hospital, located less than one mile away from campus. Maryville College requires every student to be covered by health insurance, either a family plan or the plan made available by the College. Health insurance information is available through the Business Office.

The College Campus

Location

Maryville College is situated on 370 acres in the foothills of the Great Smoky Mountains in East Tennessee. It is in the City of Maryville, which, with neighboring Alcoa (home of ALCOA, Aluminum Company of America Tennessee Operations), combine to form twin residential communities of 46,000.

The College is just 20 minutes from Knoxville, a growing, bustling metropolis of half a million people. In many ways Knoxville serves as a "college town" to both Maryville College and the University of Tennessee, which is based in Knoxville.

With Knoxville directly to the north of campus and the Great Smoky Mountain National Park only thirty minutes to the east, Maryville students have the best of both worlds.

Maryville College's location in East Tennessee has been rated as one of the best areas for outdoor adventure, providing an endless array of activities for students. Gatlinburg, a popular ski and tourist resort, is easily accessible, as are a number of other fine recreational spots. In addition, Maryville is central to several major cities in the Southeast, such as Atlanta, Memphis, Tampa, and Charleston. McGhee Tyson Airport, a class A transportation center, is just three miles from campus and is served by numerous major and commuter airlines.

Student Body and Buildings

The student body numbers over 600, and there is a distinguished faculty of about 50.

There are 20 major buildings on campus, including Lamar Memorial Library, recently remodeled and expanded. The Chapel/Theatre houses the 1,200-seat Wilson Chapel and the 400-seat theatre of the Maryville College Playhouse. The modern Sutton Science Center includes private study and research carrels, computer labs, and dream and audiology labs. The Fine Arts Center has a 250-seat recital hall, art gallery, music library, and private studios and practice rooms.

The Health and Physical Education building houses three full-size gyms, racquetball courts, swimming pool, weight room, gymnastics room, and physical therapy room. Fayerweather Hall houses most of the student-related offices, including the bookstore, student lounge, post office, and snack bar.

Anderson Hall, which dates from 1870, is a national historic landmark and houses administrative offices and classrooms, including the campus computer center.

There are four modern residence halls, each with study lounges, laundry rooms, and kitchen facilities. The Center for Campus Ministry houses the College Chaplain's Office, worship center, and meeting space. Recently renovated historic buildings include the International House, Willard House and Crawford House. Willard House is the site of the Alumni Center and College Advancement Offices; Crawford House is the home of the Life Enrichment Center.

The Academic Program

Degrees

Maryville College offers three degrees, the Bachelor of Arts, the Bachelor of Music, and the Bachelor of Science in Nursing. All three degrees may be earned by full-time students. For mature adults who wish to pursue a degree on a part-time basis while carrying other substantial responsibilities, the B.A. and the B.S.N. are offered through the Division of Continuing Education as well; those programs are described in another college bulletin.

Degree Requirements

To receive any degree, the student must complete all requirements specified for that degree in the catalog in effect at the time of initial enrollment. For the B.A. and B.Mus. degrees, a minimum of 128 semester-hours of credit must be earned, with either (a) a cumulative grade point average of at least 2.0 or (b) a grade of "C" or "S" or higher for at least 40 academic courses. For the B.S.N. degree, a minimum of 128 semester hours is required, with a cumulative grade point average of at least 2.30.

For all degrees, the courses taken must satisfy all general education, major, and major-related requirements, and the English proficiency examination and a comprehensive examination in the major field must be passed. A requirement in swimming, emphasizing survival skills and maneuverability in the water, must also be satisfied, either by demonstration of competence or satisfactory completion of an appropriate course.

The specific requirements for each degree are described in the section of this catalog devoted to it. At least nine hours must be earned in Interim courses, including six hours meeting the specifications for experiential learning.

Every candidate for a degree is expected to pursue his or her program of studies in residence at Maryville, especially in meeting general education and major requirements. If circumstances warrant, permission may be granted for non-resident credit. Approval of the appropriate department chairperson and the registrar is then required in advance.

As a minimum, each degree candidate must complete at Maryville 32 credit hours, including 20 in the senior year and nine in the major field. An exception to the senior year requirement is made for students in cooperative degree programs, who spend the senior year in residence at the cooperating institution.

Majors

As a degree requirement, each student completes an approved program of concentrated study in a major field. The major is commonly taken in a single discipline, along with several courses in related subjects. An individualized major may be designed, however, to meet particular educational needs.

A disciplinary major consists of a minimum of 30 semester hours in a single discipline, including six hours devoted to an independent study

project, and, for the B.A., a maximum of 56 hours in all principal and related subjects. For an individualized major, possible only with the B.A. degree, at least 18 hours in one subject, 12 hours in a related subject, and six hours in independent study are required; approval of the Committee on Individualized Majors must also be obtained.

The student may select a major by the end of the freshman year, but such selection may wait until the sophomore year in most fields. Postponement of the choice beyond the sophomore year, or a subsequent change of field, is likely to delay graduation beyond the normal four years.

A student planning to pursue a major in a highly structured program, where the sequence of courses is an important consideration, is encouraged to confer with the appropriate department head early in the first year of enrollment. Such fields include the natural sciences, mathematics, nursing, elementary education, physical education, and the cooperative programs in engineering.

Permission of the department head must be secured in order to major in any field. Approval must be registered on the proper form filed by the student with the College Registrar. Continuation in the major is contingent upon satisfactory academic performance.

For all courses taken to satisfy major requirments for the B.A. and B. Mus., a cumulative grade point average of at least 2.0 must be earned with no more than four semester hours below the grade of "C." In the B.S.N. program, all major courses must be passed with a grade of "C" or better, together with satisfactory clinical performance in all clinical courses.

Major Fields

The fields from which majors may be selected are:

Bachelor of Arts

Art
Athletic Training
Biology
Biology for the Health Sciences
Biology/Secondary Education
Business
Chemistry
Chemistry for the Health Sciences
Chemistry/Secondary Education
Child Development
Computer Science/Business
Computer Science/Mathematics
Ecology
Economics
Elementary Education
Engineering
English
Exercise Science
History
International Studies
Management
Mathematics
Music
Music and Theatre
Physical Education
Physical Therapy
Political Science
Psychology
Recreation
Religion
Sign Language Interpretation
Spanish
Speech - Theatre
Sports Fitness Management
Sports Management
Writing/Communication

Bachelor of Music

Church Music
Music Education
Performance

Bachelor of Science

Nursing

Pre-Professional and Cooperative Programs

The two majors in biology and chemistry for the health sciences as well as the major in physical therapy are pre-professional in nature, designed to prepare the student for advanced study at another institution. Though the College's graduates have generally been successful in pursuing careers in these fields, completion of either major cannot guarantee acceptance at a professional school, nor does it qualify the student for entry into professional practice.

The major in engineering is a cooperative program, involving three years at Maryville College before transfer to the cooperating institution; further information is available in the section of this catalog on Career and Graduate School Preparation.

Minors

While there is no requirement to do so, any student may elect to complete one or more minor fields. The minor option allows the student to study an area of secondary interest in some depth, and to have that study listed on the academic record. The secondary field may be of a vocational or cultural interest, or it may serve to diversify one's preparation and enhance career opportunities.

A minor consists of at least 15 credit hours in a subject, including 12 hours in courses above the 100-level. Only courses in which a grade of "C" or better is earned are counted toward minor requirements. Specific requirements for each minor are to be found in the departmental listings.

Minors may be taken in most fields in which a major is offered. Minors are also available in the following areas:

Accounting
American Studies
Medieval Studies
Philosophy
Physics
Sociology

Special Requirements

Independent Study 70 hrs. to start I.S. # upper div. courses in major.

One of the distinctive features of a Maryville education is the independent study project. Every degree candidate completes such a project in the major field, under the guidance of a faculty superviser. The subject is of the student's own choosing, and may take the form of literary or historical investigation, laboratory or field research, an interpretative effort, or creative activity in art or literature or music.

The independent study requirement allows the student to exercise initiative, plan and complete a substantial piece of work, and gain the confidence and pride that comes from accomplishment.

Comprehensive Examination

In the final semester of the senior year every student takes a comprehensive examination in the major field. The examination is designed to test the breadth and depth of understanding of the field, and to assess how well material from individual courses has been integrated.

The nature of the examinations varies from department to department. Some are developed entirely by the department, while others may consist of a national standardized test supplemented by locally developed questions.

The grade received on the comprehensive examination becomes part of the total academic record, and quality points may be added or subtracted according to performance. For a grade of "A," 4 quality points are added; for "B," 2 points. A grade of "C" does not affect the quality point total; for "D," 2 quality points are subtracted. A grade of "F" requires a reexamination at a regularly scheduled period. No more than two reexaminations are permitted, and a passing grade must be attained within two years of the first attempt.

English Proficiency Examination

In coursework and personal relations each student is steadily encouraged to develop the capacity to communicate effectively in written and spoken English. That capacity must also be demonstrated through satisfactory performance on an English proficiency examination, required of every student. The examination consists of an essay on a topic chosen from a group of topics of current interest. The essay is evaluated by two or more members of the English staff, who consider its organization, grammatical correctness, clarity, and overall quality.

The examination is given in the second week of each semester. Every student must take the examination not later than the spring semester of the sophomore year. Transfer students with sophomore standing who have completed freshman English must take the examination during the first semester of enrollment.

The examination must be passed before enrollment in Independent Study, usually a culmination of one's work in the major field. Any student who fails the examination will have an opportunity to correct deficiencies through remedial laboratories. The test must then be retaken the following semester. It is recommended that students who fail the exam a second time repeat English 104 on a non-credit basis. Passing that course with a minimum grade of "C" satisfies the proficiency requirement.

The Library

The Lamar Memorial Library is central to the mission of Maryville College. It is a focal point for knowledge and study, a place to read, to investigate, to reflect, to question, and to learn.

Library collections support the educational program, provide current awareness for discipline-related research, meet recreational reading needs, and record the institutional history of the College. Located in Thaw Hall, built in 1923 and renovated in 1986, the library numbers over 105,000 volumes in its collections.

Holdings include books, periodicals, documents, microforms, audio and visual materials. Special collections include over 2,200 musical scores in the Fine Arts Center library, 19th century hymnals and songsters, and early travel books.

To facilitate the use and understanding of library information sources, reference assistance is provided during all hours of service. Reference staff work with students and other users individually to formulate the information needs, identify sources, and instruct in their use.

Bibliographic instruction for classes is an important part of reference service; library faculty teach major components of the Inquiry and freshman English courses, which are devoted to information skills and search strategies. Discipline-related instruction is offered in other courses.

The library is a center for services that stimulate, encourage, and teach the use of information resources, and, equally important, provide access to holdings elsewhere. Through membership in consortia, networking, and reciprocal borrowing agreements, students have access to specialized and scholarly materials in numerous other area resource centers. In addition, the library provides online access to the University of Tennessee card catalog and to more than 100 bibliographic databases via a major electronic search service.

The library affirms and subscribes to the International Interlibrary Loan Code, the American Library Association Library Code of Ethics, and the American Library Association Library Bill of Rights.

Special Learning Opportunities

Every student's program of study centers on the familiar work of classroom and laboratory, library and studio. Yet important learning also takes place in less familiar settings, where the student is called upon to adapt to a new environment, to act without one's customary support system, to develop trust in one's own resources of intelligence and discipline. It is to encourage that kind of learning, so critical to personal maturity, that the College makes available a variety of special programs.

Interim

The Interim program complements the traditional curriculum with special opportunities for exploration and growth. During the three weeks devoted to the Interim, students concentrate on a single course. The subjects pursued vary greatly from year to year, and the courses offered are not generally available during the rest of the academic year. Most Interim courses are offered in January, but a few involving off-campus activities are scheduled during the summer.

In lieu of a scheduled course, an upperclassman may propose an independent project to be undertaken during the Interim period. The project requires a campus sponsor, a carefully developed plan, and the approval of the Interim committee.

Satisfactory completion of three Interims is required for the student enrolled at Maryville College for four years. The requirement is adjusted proportionately for the transfer student. Two of the three Interims must concentrate on experiential learning. One of the experiential Interims must be centered off-campus and involve a significant change in living environment for a week or more. No more than 15 semester hours earned in Interim courses may be counted toward graduation requirements.

International Study

Mark Twain once wrote that "Travel is fatal to prejudice, bigotry and narrow-mindedness—all foes to real understanding." Recognizing the validity of that statement, Maryville College believes a period of travel and study outside the United States should be a part of one's education whenever possible. Confronting other cultures and viewpoints, learning about the customs and practices in other societies, coping with unfamiliar surroundings in a language not fully one's own can do much to deepen insights and broaden perspectives. Such experience can also foster remarkable personal growth.

A range of opportunities for guided travel and study is available. Some of these are sponsored directly by Maryville College. In recent years, for example, groups of students and faculty have used the Interim period for trips to Great Britain and Peru. For more extended periods, however, it is advantageous for the College to associate with other institutions to expand and diversify what can be done. Through such associations Maryville students can experience life and study in many areas of the globe.

Kansai University of Foreign Studies in Osaka, Japan, provides a way for students to learn first-hand about East Asia. The curriculum focuses on Asian Studies, and provides an important supplement to the coursework in international studies offered on the Maryville campus. Those who begin the study of the Japanese language at Maryville may continue it at Kansai University, or they may begin it there.

For the benefit of those whose use of the language is not advanced, most of the instruction is conducted in English. Dormitory housing is available, but students may also choose to live with a Japanese family in order to participate more fully in Japanese life. The courses taken and the grades earned at Kansai University are fully credited toward graduation requirements, and the grades are incorporated into the Maryville grade point average.

Students may also study at two institutions in Korea. Programs up to one year in duration are available at Yonsei University in Seoul and at Han Nam University in Taejon, both Presbyterian-related institutions. Information is available from the Coordinator of International Studies.

Through the American Institute for Foreign Study, programs for a summer, a semester, or a full year are offered. Most of these are centered in Western Europe, including Britain, France, Italy, Spain, the Federal Republic of Germany, and Switzerland, but opportunities are also available in Austria, Greece, and the Soviet Union.

Students interested in Latin America or Spanish culture may study in Mexico or Spain through cooperative programs with Alma College and Central College of Iowa. The Alma College program in Mexico is operated in conjunction with Interamerican University in Mexico City, while Central College is affiliated with University of Granada in Spain. A full year of study in either Mexico or Spain is required of students majoring in Spanish.

By arrangement with Kalamazoo College, Maryville students may spend six months or more studying at an African university or college. Opportunities are normally available at two institutions in Sierra Leone, and often at universities in Liberia, Senegal, Nigeria, and Kenya. Participation is dependent upon admission by the African institution and selection by Kalamazoo College, but a place can usually be found for qualified students. For most programs, a summer's preparatory work at Kalamazoo is required.

A period of study abroad is possible at any time after the freshman year, but most students find the junior year, or the preceding summer, the most convenient time. Planning needs to be started well in advance, and is best done in close consultation with the Coordinator on International Studies. The programs listed here all carry full academic credit.

Moreover, students receiving financial aid usually continue to receive most of the assistance they would have if they were taking courses on the Maryville campus during the regular academic year. For that reason, the benefits of study abroad often can be obtained for a lower additional cost than many students expect.

Internships and Practica

Many academic departments offer opportunities for students to gain

practical experience, usually related to the major field, through an internship or practicum. These supervised experiences provide a chance to apply knowledge and skills in an operational setting, while testing one's interest in a particular career or profession.

Possibilities range from individual work with exceptional children in the College's Learning Center to editorial duties in a publishing house to service as an aide to a public official. The credit earned is in proportion to the scope and duration of the experience, up to a maximum of six hours for an extended practicum and 15 hours for an internship.

Such experiences are routinely available for students in art, business, English, management, sports management,physical therapy, psychology, child development, recreation, sign language interpretation, and teacher education; and they can be developed in other areas to meet student interest.

Intercollegiate Debate

The program in debate provides opportunities to develop talents and abilities that are highly valuable in a variety of pursuits. Debate activities center on participation in tournaments involving debaters from other leading colleges and universities throughout the Southeast. Most of the tournaments are scheduled for the period December through March. In preparation for these competitions, students strengthen their skills in research, interpretation of data, organization of information, and persuasive presentation.

Debate tryouts are open to all students, but team membership is selective. Team members enroll in the program for both fall and spring semesters. Students may enroll for two semesters for three credit hours each semester and for one credit hour per semester thereafter. No more than 12 credit hours in debate may count toward graduation.

The Washington Experience

For the student who wishes to spend a semester learning in the nation's capital, the Washington Center for Learning Alternatives provides a variety of possibilities. An internship, supplemented by seminars, may be arranged with any one of more than 400 governmental and social agencies. WCLA invites applications without regard to the student's field, but its programs are particularly suitable for those considering a career in law, public administration, or social service.

Research and Field Work in the Natural Sciences

Through several major research facilities, arrangements are made for superior students to participate in scientific investigation and experience a professional research environment. The Argonne Semester is open to qualified students in biology, chemistry, computer science, mathematics, and physics. Those accepted by the Argonne National Laboratory, Argonne, Illinois, spend a portion of the senior year there, working under the supervision of a scientist or engineer on an on-going research project.

At the Savannah River Ecological Station at Aiken, South Carolina, summer programs are offered for the student interested in environmental

research or computer modeling systems. For the exceptional biology major, intensive sessions in botany, marine ecology, developmental biology, invertebrate zoology, and neurophysiology are available at the Marine Biological Laboratories of the Woods Hole Oceanographic Institute in Massachusetts.

Closer to the College campus, the Oak Ridge National Laboratories regularly afford Maryville students the chance to participate in a variety of short-term and summer research and study programs. The nearby Great Smoky Mountains provide students with a rich resource for ecological studies.

Individual Study Course

For a course in the major field a student may substitute a program of individual reading or experimental work. The student must have at least junior standing. Such a program is pursued under the guidance of a faculty member, who confers regularly with the student and assesses progress. Approval of the deparment chairperson is required, and an additional fee is charged.

Honors Study

Students of superior ability may choose to pursue honors study related to courses in which they are registered. The honors work goes beyond basic course requirements and may take the form of additional reading, writing, experimentation or creative work, or any combination of these. Eligibility for honors study requires an overall cumulative grade point average of at least 3.0 and a cumulative grade point average of 3.2 in the major.

For successful completion of honors study in a given course, students may receive one additional credit hour beyond the regular credit allotment for the course. Arrangements for honors study are negotiated with the course instructor and require the approval of the department or division chairperson. These arrangements must be reported to the registrar not later than the first week of the course. Special sections of general education courses are occasionally offered for honors credit. Successful completion of honors study is entered on the student's record.

Program on Community Issues and Values

To supplement classroom learning, the College schedules an extensive program of lectures, presentations, and performances. These take the form of weekly convocations attended by students, faculty, and staff, as well as residents of the local community. The series seeks to inform the entire College community about critical issues in politics, religion, economics, social relations, international affairs, and the arts, and to engage participants in discussion of the value considerations posed by those issues.

Several of the events each year are linked to particular courses in the general education program, and participation in those events is an integral

part of those courses. Otherwise, attendance is voluntary. A student who attends regularly, and verifies that attendance, may earn credit toward graduation. For attending 14 events, one credit-hour is earned; a maximum of six credit hours may be earned in this way.

There is no admission fee, but the student who wishes to receive credit for attendance is subject to an overload charge if the normal load for the semester is exceeded.

Life Enrichment Center

The Maryville College Life Enrichment Program (MCLEP) is a means to enrich and diversify the student's educational experience through a combination of curricular and co-curricular activities. In the program each student works closely with a faculty or staff mentor to identify or design projects appropriate for his or her personal growth. The projects commonly fall into the categories of service, creativity, adventure, or self-management/health.

A central feature of each project is the maintenance of a personal journal, the purposes of which are to encourage careful observation and reflection and to deepen knowledge of oneself. Through completion of an individually-designed project, undertaken outside the curricular structure, the student earns one credit hour. When a project is done in connection with a course, only the credit hours appropriate to that course are awarded. Max. of 3 may be taken.

Written descriptions of completed projects may be used to create a portfolio of experiences. Such a portfolio serves to document personal growth, much as an academic transcript documents intellectual growth.

Mountain Challenge

The Mountain Challenge program provides an opportunity for students to get into the wilderness. Area mountains, lakes, rivers, and woods provide the setting for the various Mountain Challenge activities, which include:

Ropes Courses
Rock Climbing and Rapelling
Bicycle Trips
Map and Compass
Mountain Trips and Expeditions
Canoe/Kayak Trips
Caving
Mountain Rescue and First Aid

Many of the events in the program require no experience or special equipment. The only requirements are a willingness to try new experiences and a commitment to your best effort. One credit hour may be earned by participating in five Mountain Challenge activities. Each student may earn up to three credit hours through participation in the Mountain Challenge program.

Career and Graduate School Preparation

Maryville College believes that the best undergraduate preparation for a career is the enhancement of critical skills, the acquisition of broad-based understanding, and the development of personal creativity and competence. These are the traditional emphases of liberal arts education, and their value is widely recognized by the better graduate and professional schools.

Students considering application to such schools should consult their catalogs for admissions requirements; most graduate and professional schools do not require a specific major. Counsel should also be sought from one's faculty adviser in planning the program of study at Maryville. Additional guidance about careers may be found in the information that follows.

Arts and Sciences

Maryville graduates pursue advanced degrees in all the major fields of knowledge, and many pursue interests discovered and developed at the College. Careers in college teaching, research, and industry attract a significant number. A strong record in one's major field, as well as evidence of self-discipline and effective communications skills, are important considerations for graduate school admissions committees.

For many schools, high scores on the Graduate Record Examination are necessary, and reading knowledge of at least one foreign language is expected. Advice about study in a particular discipline can best be obtained from the appropriate department chairpersons and faculty members.

Business

Careers in some aspect of business attract a large proportion of the current generation of college students. For those interested in self-employment or work with a small firm, a major in general business may be adequate preparation. For the student aiming toward a larger corporation, however, and for those planning to earn a master's degree after leaving Maryville, the undergraduate major in business may not be the best choice.

Increasingly, major employers and the more highly regarded business schools emphasize that they can provide the specialized preparation needed, that it need not be acquired in the undergraduate years. More important in many ways than the specific undergraduate major are the capacities to learn quickly, to think critically and analytically, to speak and write clearly, and to be effective in personal relations; these qualities can be developed in most fields of study.

Thus the student interested in a business career might do well to major in another area, while taking some courses, or a minor, in business or accounting or computer science. Consideration should also be given to a major in management, which combines work in several related disciplines.

Maryville College also maintains a cooperative relationship with the Graduate School of Business at the University of Tennessee whereby a student may earn in five years the B.A. in business and the Master of Business Administration*. The first three years are spent at Maryville College completing college requirements and the courses necessary for advanced study in business; for the last two years the student is enrolled in the M.B.A. program of the University.

Upon satisfactory completion of the fourth year of the combined program, including submission of an Independent Study project, students in good standing will receive the B.A. degree from the College. The M.B.A. is awarded by the University at the end of the fifth year.

Students must apply for admission to the M.B.A. program, and they must complete a list of specified courses at Maryville College. Details on the B.A./M.B.A. program are available from the Chairperson of the Social Science Division.

Church-Related Vocations

Students interested in the ministry, religious education, church music, or other church-related vocations pursue a variety of majors. Religion or church music are obvious choices. Also helpful is work in art, English, history, philosophy, psychology, and sociology, among other fields. Information and counsel about church-related careers and about seminary training are available from the Chairperson of the Department of Religion and Philosophy and the Campus Minister.

Engineering

Through cooperative arrangements with the Georgia Institute of Technology and the University of Tennessee, Maryville enables a student to combine extensive preparation in the liberal arts with professional training in engineering. Both arrangements allow the student to earn two degrees in five years of study. The first three years are spent at Maryville, completing college requirements and the courses necessary for further study in engineering or applied science; the last two years are spent at the cooperating institution.

Upon satisfactory completion of the fourth year of the combined program, with grades of "C" or higher, the student will receive the B.A. degree from the College. When all requirements for junior and senior engineering students have been met, usually by the end of the fifth year, the cooperating institution will award the Bachelor of Science degree in the area of specialization.

The second degree may be earned in over a dozen engineering fields, as well as in the applied sciences, including biology, chemistry, information and computer science, mathematics, physics, and psychology, and in industrial management.

Admission to either cooperating institution requires the recommendation of the College's Dual Degree Coordinator, but the decision to admit rests with the other institution, not with the College. Admission to some

* Final program approval expected in September, 1988.

engineering fields is very competitive, reflecting the current high demand for places in an entering class.

The Georgia Institute of Technology requires a minimum grade point average in courses in mathematics and science, and in all courses taken, for the first three years of college work. These minima, which have been rising sharply in recent years, may vary according to the intended major; they are somewhat lower for Georgia residents than for non-residents. Any student interested in pursuing the dual degreee option is urged to consult the Dual Degree Coordinator in the Department of Mathematics, Physics, and Computer Science, as early in the freshman year as possible.

Interpreting for the Deaf and Hearing-Impaired

Recent years have seen a growing awareness of the special needs of handicapped people, and efforts to meet those needs have been renewed. As a result, there are expanding career opportunities for those with the understanding, commitment, and skills to assist persons with handicaps to make their maximum contributions to society. Since 1974, Maryville College has pioneered in the preparation of interpreters for the deaf and hearing-impaired.

The College offers a major in interpreting, one of the few four-year programs of its kind in the country. The program is designed primarily to train students to serve as interpreters, but it also provides a foundation for those wishing to work with the hearing-impaired in other capacities. A significant proportion of the program's graduates have discovered that their preparation has enabled them to move rapidly into supervisory and managerial positions.

Law

The practice of the law requires specialized training at a law school and subsequent qualification for admission to the bar. When considering candidates for admission, law schools do not require any specified pattern of undergraduate preparation. Almost any major offered by a liberal arts college is acceptable, but economics, English, history, and political science are among the majors recommended.

It is especially important that any prospective law school candidate have an understanding of social, economic, and political institutions, and be able to think, speak, and write clearly. Admission to law school is usually determined by the total undergraduate record and one's score on the national Law School Admissions Test. Further information is available from the Pre-Law Adviser in the Division of Social Sciences.

Medicine and Other Health-Related Professions

For over a half-century a high proportion of Maryville graduates have entered health-related professions, particularly medicine and dentistry. Optometry and veterinary medicine also provide attractive possibilities for the student who is adept in the natural sciences. All these careers require preparation at a professional school following completion of undergraduate work at Maryville. Admission to such schools is highly competi-

tive, usually requiring a superior academic record in college and high scores on national standardized tests.

Students planning to enter these fields usually pursue the majors in biology or chemistry for the health sciences described in the departmental listing of this catalog. For details about the admissions requirements of a particular school, the catalog of that institution should be consulted. The Adviser on Health-Related Professions in the Department of Biology and Chemistry is also glad to provide counsel and assistance.

Music Therapy

A career in music therapy requires preparation in music, psychology and therapeutic techniques. Maryville does not offer a degree in this field, but most of the required course work is available. The Bachelor of Music degree, with a major in music education and supplementary courses in psychology, should be pursued. Certification requirements to qualify as a registered therapist can then be completed with additional coursework and an internship at a suitable graduate school. The Chairman of the Division of Fine Arts should be consulted for advice.

Nursing

Nursing has long been one of the central professions in the health care field. As a result of sweeping changes in that field, the profession itself is changing rapidly, adapting to new technologies, new systems for the delivery of care, and new expectations. Preparation for nursing careers is now centered primarily in colleges and universities, and the baccalaureate degree is increasingly considered the basic preparation for the professional nurse.

At Maryville, the Bachelor of Science in Nursing degree combines extensive education in nursing theory and clinical practice with a firm foundation in the established disciplines of the humanities and sciences. The program serves both generic students, who are preparing for the state licensing examination as they pursue the degree, and completion students, those already licensed as registered nurses who are seeking the degree as a means of professional advancement.

For both groups, the curriculum is highly structured, requiring careful planning to complete course sequences on schedule. That planning is best done in close consultation with the Director of Nursing Education. The College's program operates in cooperation with the Fort Sanders Regional Medical Center, a 575-bed hospital in Knoxville that provides access to essential clinical facilities and other resources. Additional variety in clinical experiences is provided through affiliation with several other inpatient and outpatient health care facilities.

Initial approval of the program by the Tennessee Board of Nursing was granted in the spring, 1987.

Teaching

For the person who enjoys learning, sharing one's knowledge, and helping young people grow, teaching can be a rewarding career. The College offers a major in elementary education and the professional courses

necessary for certification to teach at the secondary level. Students preparing for secondary teaching combine a major in a subject discipline with the courses for certification; many earn certification in two subjects.

College requirements for both the elementary and secondary programs are described in the departmental listings of this catalog. Certification requirements vary from state to state; the Coordinator of Teacher Education can provide specific information and advice.

Academic Procedures and Regulations

Course Load

To complete a degree in four years, an average of 32 credits a year must be earned. In the typical pattern, a student carries 14 or 15 credit hours in each of the semesters and three credit hours during an Interim period. No more than four credit hours may be taken in one of the three-week periods, whether Interim or summer session.

A full-time student is also permitted to audit one course each semester without additional charge. Permission of the individual instructor is necessary. The audit does not count toward graduation requirements, but it does appear on the permanent academic record if attendance is satisfactory.

Late Enrollment and Withdrawal

Students are expected to attend the first class meeting of each course. After the first meeting, enrollment in the course is possible only with the permission of the adviser and the instructor. After the first week of classes, enrollment is possible only with the permission of the adviser, the instructor, and the Academic Vice President. Permission to enter a course after five class meetings is given only in rare circumstances.

Withdrawal from a course after the semester has begun requires the approval of the instructor and the adviser and the filing of a completed withdrawal form with the Registrar. A course may be dropped with a notation of "W" (withdrew) during the first five weeks of the semester. Between the fifth week and the end of the eighth week, the notation is "WP" (withdrew passing) or "WF" (withdrew failing), depending on one's performance at the time of withdrawal. After the eighth week, the notation is "WF."

A decision to cease attending classes does not constitute withdrawal from a course. Withdrawal is official only on the day the form, properly signed, is filed with the Registrar.

Class Schedule

Classes are scheduled Monday through Friday. Most courses meet three times a week, though instructors are free to schedule additional sessions as needed. Many courses in the natural sciences, and some in other areas, routinely meet four or five times a week. Laboratories in the sciences and drill sessions in foreign languages are usually held at times different from the scheduled class period, including late afternoons.

Class Attendance

Regular attendance at classes is expected of all students, though each instructor is free to set whatever attendance requirements for an individual course are deemed suitable. These requirements are announced at the first meeting of the class.

The College recognizes as legitimate reasons for occasional absence

such difficulties as illness, accident, family grief, or pressing personal responsibility. If absences for these or other reasons exceed four, the student should explain the problem to the instructor, or the instructor may initiate such a discussion. If excessive absences persist, the student may be dropped from the course with a grade of "F." Such action is at the instructor's discretion, following consultation with the Academic Vice President, but it is neither mandatory nor automatic.

Occasionally students who represent the College in off-campus activities find it necessary to miss classes. These absences are officially excused. The number of such absences, however, may not exceed five meetings of a class.

Student Classification

Students are classified as full-time or part-time, as degree candidates or special students, and according to class standing.

Students registered for a minimum of 12 hours a semester are classified as full-time. Those registered for fewer than 12 credit hours are classified as part-time.

Degree candidates are those recognized by the College as pursuing studies leading to a baccalaureate degree at Maryville College. Special students are not recognized as degree candidates, though they do receive full credit for academic work completed with passing grades. The status of special student may be chosen by any student who does not plan to apply for a Maryville degree, or it may result from action of the College if the academic record does not warrant degree candidacy.

Class standing is determined by the number of credit hours earned and the quality of work done, as reflected in the cumulative grade point average. The minimum requirements for class standings above the freshman level are as follows:

For sophomore standing, 29 credit hours with a grade point average of 1.65.

For junior standing, 59 credit hours with a grade point average of 1.85.

For senior standing, 94 credit hours with a grade point average of 1.95.

Academic Standards

Grading System

The grading system at Maryville is as follows:

A — Excellent
4 quality points per semester hour
B — Good
3 quality points per semester hour
C — Satisfactory
2 quality points per semester hour
D — Passing

1 quality point per semester hour

F — Failed
No quality points

Students are graded by this system in all required general education courses, most electives, and all courses taken to meet major requirements (with the possible exception of Independent Study 351-352 noted below).

In some situations grades of "S" (Satisfactory) and "U" (Unsatisfactory) are used. The "S" grade is understood to be the equivalent of at least a "C." All Interim courses are graded on this basis. At the student's option, one elective course each year may be graded "S" or "U." The student may also choose to take Independent Study 351-352 under this system. A decision to take a course on an "S/U" basis must be made during the first week of the semester, and the decision filed in the Registrar's Office. Such a decision is final and may not be reversed.

In the following exceptional circumstances these grades are given:

I — Incomplete
Given as a temporary grade when a course cannot be completed due to reasons beyond the student's control; becomes an "F" unless the work is carried to completion by the end of the next semester ~~the student is enrolled~~.

W — Withdrew
Given when a course is dropped during the first five weeks of a semester; does not affect grade point average.

WP — Withdrew Passing
Given when a course is dropped in the sixth through eighth week while the student is doing satisfactory work; does not affect grade point average.

WF — Withdrew Failing
Given when a course is dropped after the eighth week, or in the sixth through eighth week while the student is doing unsatisfactory work; affects the grade point average as would an "F."

Grade Point Average

The grade point average (GPA) for a semester is computed by dividing the total number of quality points earned by the credit hours attempted during the semester. The cumulative GPA is based on all quality points earned and credit hours attempted at Maryville College (except that a repeated course is counted only once). Courses completed satisfactorily at other institutions may count toward graduation requirements, but they are not counted in computing the GPA.

Notification of Grades

Students are notified by mail of grades earned as soon as possible after the end of each semester. The grades become part of the student's permanent academic record on file in the Registrar's office. In accordance with the Family Educational Rights and Privacy Act, grades are not sent to parents or guardians unless (a) the student requests that this be done,

or (b) the parent or guardian makes such a request, certifying that the student is a dependent as defined by the Internal Revenue Service. Such requests must be written and filed with the Registrar.

The Dean's List

The Dean's List is composed of those students whose academic performance was distinguished in the previous semester. To qualify, a grade point average of at least 3.25 in all work undertaken must be earned, with no grade below "C." Only full-time students are considered.

Graduation Honors

To qualify for graduation with honors, a student must have completed at least 64 credit hours at Maryville College. The cumulative grade point average determines the level of honors. The three levels of honors and the minimum grade point averages required are:

Summa cum laude: 3.95
Magna cum laude: 3.75
Cum laude: 3.40

Academic Standing

It is the responsibility of the individual student to maintain good academic standing and to make normal progress toward a degree. The record of each student is regularly reviewed by the Registrar. Any student whose cumulative grade point average falls below 2.0 is placed on academic probation. To continue enrollment in probationary status, the student must show steady improvement in academic performance.

At the end of the academic year careful consideration is given to the record of each probationary student. If the student falls below minimum standards for credit hours and cumulative grade point average, he or she is not considered to be making normal progress toward a degree.* The student is then subject to suspension from the College, or to a change from degree candidacy to special student status. These minimum standards are described in the **Student Handbook.**

A student suspended from the College may apply for readmission after a period of satisfactory academic work at another institution or other successful work experience. The period of suspension is usually a calendar year, but it may be shorter if circumstances warrant. A student placed in special student status by action of the College may continue enrollment and, when the cumulative GPA is raised to 2.0, petition for readmission to degree candidacy.

A decision to suspend may be appealed to the College's Committee on Academic Standing. In such an appeal, the obligation rests with the student to explain the special considerations that support continued enrollment.

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*Exceptions are made for those students with verified handicaps and those for whom English is a second language.

Conferral of Degrees

Degrees are formally conferred at the Commencement exercises held annually at the close of the spring semester. Though requirements may be completed at other times during the year, degrees are officially awarded only at those exercises.

Student Responsibility

Each student is expected to be thoroughly familiar with the academic requirements of the College, as stated in the Catalog and the Student Handbook. The responsibility for meeting all requirements for graduation rests entirely upon the student. Faculty advisers, department chairpersons, the Registrar, and the Academic Vice President welcome the opportunity to provide assistance, but the basic responsibility remains with the student personally.

Specialized Programs of Instruction

Bachelor of Arts Degree

Art 47
Athletic Training 49, 86
Biology 49
Biology for the Health Sciences 50
Biology/Secondary Education 50
Business 54
Chemistry 56
Chemistry for the Health Sciences 56
Chemistry/Secondary Education 56
Child Development 60, 93
Computer Science/Business 60
Computer Science/Mathematics 60
Ecology 62
Economics 62
Elementary Education 64
Engineering 67
English 67
Exercise Science 72
History 74
International Studies 76
Management 78
Mathematics 80
Music 83
Music and Theatre 83
Physical Education 85
Physical Therapy 89
Political Science 91
Psychology 93
Recreation 86, 93
Religion 95
Sign Language Interpretation 97
Spanish 101
Speech-Theatre 103
Sports Fitness Management 104
Sports Management 105
Writing/Communication 67, 105

Bachelor of Music Degree

Church Music 106
Music Education 107
Performance 107

Bachelor of Science in Nursing Degree 112

Specialized Programs of Instruction

On the following pages the College's major and minor programs are described, along with the individual courses that are a part of each program. Only courses regularly offered are listed. Courses offered during Interim periods, which are frequently experimental and experiential, are not included.

Courses numbered 101-199 are primarily for freshmen, 201-299 for sophomores, and 300-399 for juniors and seniors. A few courses, numbered 401 and higher, are intended for seniors only. Close attention should be given to the prerequisites listed for courses above the 100-level.

Many courses are given in alternate years; the year the course is to be offered follows the course description. If no year is stated, the course is given annually.

The College reserves the right to withdraw or reschedule any course when the number of qualified enrollees is insufficient or when a qualified faculty member is unavailable in a given semester. If a sufficient demand for additional courses arises, they may be offered.

The Bachelor of Arts Degree

The Bachelor of Arts degree embodies the conviction that liberal learning is the best preparation for a satisfying and successful life, whatever one's vocation. The degree allows students to prepare for a variety of careers and professions, but it emphasizes the cultivation of those intellectual and personal qualities that mark the educated person. Through the enhancement of skills and knowledge, the deepening of sensitivities, and the clarification of personal purpose, students learn to deal responsibly with a world of uncertainty and accelerating change.

The curriculum provides opportunity for study over a broad range of subjects as well as more intensive work in a field of special interest. Each student's program of study includes three components: general education courses, major and major-related courses, and electives.

The general education component includes a few specifically required courses, but in most areas choices may be made among several options. Some individual requirements in general education are waived by virtue of the student's major; others may be met by demonstration of competence.

Major and major-related courses enable the student to gain familiarity with research methods and a body of detailed knowledge. More important, perhaps, they help the student understand what it means to know something well.

Electives are any courses taken beyond the general education and major or major-related requirements, including those offered during an Interim period.

General Education

Each student must satisfy the course requirements specified below, either by passing the course, or by demonstrating competence and knowledge through special examination, or by meeting the condition specified

for a waiver. Most of the courses are designed for the purposes of general education and are part of no major program.

Freshman Inquiry Seminar and Orientation 110
English 130
Foreign Language 110 and 120[ah]
Mathematics 120[b]
History 180 or 190[h]
Religion 230 or 240[h]
English 270[h]
The Humanities Distribution Course
Natural Science 150[c] and 250[d,e]
Fine Arts 210[f]
Social Science 220[g]
African Studies 310 or East Asian Studies 320
Humanities 390

Freshman Inquiry Seminar and Orientation 110
A course designed to acquaint the student with the fundamentals of scholarly inquiry and the basic skills necessary to college-level study. Close attention is given to techniques of systematic questioning, data collection, documentation and formation of conclusions. Through writing exercises and oral presentations, individual initiatives and the development of communications skills are encouraged. The course is offered in multiple sections with each section investigating a different topic and employing the inquiry methods of one or more specific disciplines. The Orientation portion of the course deals with the structure, policies and services of the College, academic requirements, career planning and time management. One credit hour in the Mountain Challenge program is required in conjunction with many Inquiry/Orientation sections.

4 credit hours

[a] Not required of students who demonstrate sufficient oral and aural facility in a second language.

[b] Not required of students majoring in chemistry, mathematics or pre-engineering or who otherwise demonstrate competence in all four components of the course.

[c] Natural science 150 is waived for students with a major in the natural sciences, mathematics, physical education, exercise science, athletic training, physical therapy, pre-engineering or psychology or with a minor in the natural sciences or psychology.

[d] Natural science 250 is not required of students with a major in the natural sciences, mathematics, physical therapy, pre-engineering, psychology, physical education, exercise science, athletic training or with a minor in the natural sciences or psychology.

[e] Students majoring in Computer Science/Mathematics may petition to substitute two laboratory courses in one of the natural sciences (biology, chemistry, physics) for Natural Science 150 and 250.

[f] Students majoring in music or art may petition for a waiver.

[g] Not required of students majoring in business, economics, management or political science.

[h] International students for whom English is a second language are exempt from the foreign language requirement. International students from cultures outside the West, principally from Asia and Africa, have a slightly wider choice of general education humanities courses: Religion 230, 240 or 212; English 270, 162 or 222; and History 180, 190, 111, 112 or 344.

English 130: Composition and Research.
A course in organization and research methods, with major emphasis on the library paper. It also includes a review of the mechanics of writing, a study of the methods of rhetoric, attention to style, and practice in oral reports.
Prerequisite: Placement into the course, or English 104.

3 credit hours

Foreign Language 110 and 120
Introductory courses in French, German, Greek, Japanese, Latin or Spanish, or the equivalent in American Sign Language (ASL 101-201). Detailed descriptions are found in the listings for individual languages.

Mathematics 120: Probability, Statistics and Computing
An introduction to the skills necessary for organizing, describing, and interpreting numerical data. Topics covered include logic, probability, measures of central tendency, standard deviation, correlation, and the normal distribution. The laboratory emphasizes the use of calculators and the computer in processing numerical data.
Prerequisite: Satisfactory performance on the mathematics placement test, or Mathematics 105.

4 credit hours with laboratory
3 credit hours without laboratory

History 180: Great Issues in Western History I
The story of the Western adventure with emphasis on specific problems within different time frames. Consideration of religious ideals and their confrontation with political and social realities, the growing role of natural science and its influence, and the evolution of the nation-state system, 500-1500.

3 credit hours

History 190: Great Issues in Western History II
The study of the Western Adventure tracing the interaction of state and society from 1500-1900. This course examines the rise and development of the nation-state system, the old regime, and the emerging revolutions in politics as well as in industry and technology. Attention will be given to intellectual-cultural crises and changing lifestyles associated with these developments.

3 credit hours

Religion 230: The Old Testament World and Culture
The religion of Israel as it developed in concert with and rivalry with its Ancient Near Eastern neighbors.

3 credit hours

Religion 240: The New Testament World and Culture
The development and growth of the early church's thought and community during the first two centuries C.E. The course pays particular attention to Christianity as a religion of the Greco-Roman world.

3 credit hours

English 270: Western Literature and Thought from the Greek to the Baroque
The course traces the development of literary expression from the Hebrew and Greek epics and drama through the Middle Ages and down to the age of Milton. The works are read in light of their historic, philosophic, and religious background with particular attention to classical and Judeo-Christian concepts. Lectures and readings from primary sources provide a background for class and panel discussion.
Prerequisite: Sophomore standing.

3 credit hours

Natural Science 150: Principles of Scientific Investigation
An introduction to the formulation of scientific questions, fundamentals of observation and measurement, acquisition of data, and drawing of logical conclusions. Courses may be offered in astronomy, biology, chemistry, physics or geology, but each course emphasizes the approaches and techniques common to all scientific investigation. Laboratories and/or field experiences. Cannot, in most cases, be counted toward a major in a natural science discipline.
Prerequisite: Proficiency in mathematics above the Mathematics 105 level.

4 credit hours

Natural Science 250: Topics in Natural Science
An examination of selected topics from an interdisciplinary perspective. The course seeks both to deepen understanding of scientific principles and to demonstrate the diverse effects of science and technology on contemporary society. Offered in multiple sections, with each section considering a different set of topics in the natural sciences. Open to students majoring in the natural sciences only by permission.
Prerequisite: Natural Science 150 or another suitable laboratory course; Mathematics 120 or its equivalent.

3 credit hours

Fine Arts 210
An introduction to aesthetic questions, values and benefits. Artistic achievements and modes of expression are studied in three media selected from architecture, drama, music, and visual arts. The course includes guided participation and creation in these fields.

3 credit hours

Social Science 220: American Institutions
An examination of the structure and functioning of the major social institutions of the United States. Emphasis is placed on economic, political, religious and family institutions and on their interrelationships. The course should be taken in the sophomore or junior year; it is open to seniors only with permission of the instructor.

3 credit hours

African Studies 310
An examination of sub-Saharan Africa and African peoples from the development of early cultures and empires to the re-emergence of independent states. Emphasis is on West Africa. Approach is holistic, integrating history, societal institutions, religion, arts and economy.
Prerequisite: Junior or senior standing.

3 credit hours

East Asian Studies 320
An introduction to the peoples and societies of China, Japan and Korea. The course surveys major cultural and institutional trends from their origins through the establishment of traditional empire. Asian responses to western influences are traced and changing patterns in politics, economics and daily life are examined.
Prerequisite: Junior or senior standing.

3 credit hours

Humanities 390: Values and Decisions in Contemporary Society
A course designed to increase ethical sensitivity and develop the capacity to weigh matters of moral choice. Cross-disciplinary in approach, the course encourages students to bring their separate disciplinary perspectives to bear on problems involving values in conflict. Values analysis and modes of ethical reasoning are stressed, with a view toward helping the student learn how to arrive at responsible

decisions in situations of complexity and ambiguity. Multiple sections of the course are offered; some deal with a single issue; others consider a combination of topics. Prerequisite: Junior or senior standing.

3 credit hours

Humanities Distribution Courses

Students are required to take one of the courses listed below. Course descriptions may be found in appropriate departmental listings in this catalog.

Religion 111: The American Religious Experience
Religion 142: A Primer in Biblical Studies
Religion 212: World Religions
Religion 244: The Search for Peace in Religious Tradition
Religion 349: Seminar in Religious Studies

English 162: Exploring Literature
English 222: American Literature Since 1865
English 344: Modern Comparative Literature

History 209: Ancient History: Greece or Rome
History 221: Europe and the World Since 1900
History 344: Modern China
History 346: Modern Russia

Two foreign language courses beyond the 100-level may also be used to fulfill the humanities distribution requirement.

American Studies

Professor Beck, Coordinator

The minor in American Studies consists of 21 credit hours and involves courses in three fields. Required are History 111-112 and 231, Political Science 122, and English 221. Six additional hours are selected from English 222, History/Business 251, Political Science 321 and 322, History 349 or other suitable topics courses. The courses are described under the respective departmental listings. Students pursuing the minor are encouraged to complete History 111 and 112 before enrolling in the other courses in the program.

History 111: History of the United States to 1865
History 112: History of the United States Since 1865
English 221: American Literature to 1865
English 222: American Literature Since 1865
History 231: History of American Thought and Culture
History/Business 251: Economic History of the United States
History 349: Topics in American History
Political Science 122: American Government and Politics
Political Science 321: American Political Process
Political Science 322: The Judicial Process

Art

Associate Professor Bonham, Assistant Professor Bianco, Mr. Birdwell

THE MAJOR IN ART consists of 42 credit hours in studio art and art history. Required courses are 101, 102, 103, 105; two courses chosen from 201, 202, and 203; 222, 232, 303 (two terms), 312, 314, 316, and 351-352. Each art major is required to prepare a portfolio of art works which are presented in a senior exhibit.

Students planning to meet certification requirements for the teaching of art in elementary and secondary schools take Art 282 and 284 in addition to the other courses required for the major and for certification.

The minor in art consists of 15 credit hours, including one course from 101, 102 and 103; one course from 201-203, or 222 or 232; one from 312-316; and six additional hours in either art history or advanced studio work. Concentration in a single medium or in art history is advised.

101. Drawing
An introduction to the fundamental aspects of drawing, including line, tone, form, space, and composition. Emphasis on increasing visual awareness, the use of various drawing materials, and developing drawing skills.

3 credit hours

102. Two-Dimensional Design
An introduction to the principles of art structure in two dimensions, taught through experimental exercises and applied problems in the visual organization of line, volume, mass, texture, movement, and color. Workshops, lectures, demonstrations, and individual and group critiques are used.

3 credit hours

103. Introduction to Sculpture and Three-Dimensional Design
An examination of basic problems involving form, light, color, and volume. Materials considered include clay, metal, wire, wood, paper, plaster, and various new media. The possibilities and limitations of tools, equipment, techniques, and materials are explored. Acquisition and development of skills are stressed through workshops, demonstrations, lectures, and critiques.

3 credit hours

105. Beginning Art Appreciation
A course designed to give the student a basic background in the chief movements and developments within the visual arts during the past century. Modern techniques, new materials, and the impact of technology on the visual arts will be covered as well as the many movements and schools in which these have been incorporated. This course serves as a background for creative work in art studio courses as well as a short survey course for the general college student.

2 credit hours

201. Pottery
An introductory course in the basic techniques for clay preparation and handbuilding. Wheel throwing, glaze and slip application, decorating and firing techniques are included. The applications of clay and other media in relief and three-dimensional works are considered; traditional and contemporary uses are encouraged. Offered 1989-90 and alternate years.

3 credit hours

202. Photography
Photography considered as an art form, with attention to basic concepts, techniques, and processes. The adjustable camera, lighting, exposure, film and darkroom procedures are studied. 35 mm camera required.

3 credit hours

203. Weaving
The study of traditional and contemporary techniques of fabric structure and embellishment. Interlacing, interlooping and knotting techniques are considered, along with the study of different loom and non-loom methods. Experimentation with fiber, color, and texture, resulting in unique creative designs for a specific use, is encouraged. Offered 1988-89 and alternate years.

3 credit hours

222. Painting
An introduction to painting materials and techniques with emphasis on composition and the expressive use of color. Offered 1989-90 and alternate years.
Prerequisite: Art 101, 102, 105, or permission of the instructor.

3 credit hours

232. Printmaking
An introduction to basic printmaking processes, including intaglio, relief, silk-screen, and some photographic methods. Each student develops a portfolio of prints, concentrating on one process. Special attention is given to the imaginative and creative use of line, tone, texture, and color. Offered 1989-90 and alternate years.
Prerequisite: Art 101 and 102 or permission of the instructor.

3 credit hours

282. Elementary Art Education
The course provides a background in art and art teaching methods for those preparing to teach at the elementary level or to serve in recreational activities. Does not count toward a major in art. Offered 1988-89 and alternate years.

2 credit hours

284. Secondary Art Education
A course designed for those planning to teach at the secondary level. The emphasis is on the activities and experiences suitable for the adolescent student. Does not count toward a major in art. Offered as demand warrants.

2 credit hours

303. Advanced Studio
Intensive work in one medium: drawing, design, painting, ceramics, printmaking, photography, sculpture, weaving, or jewelry. Advanced study in each medium is available during the term the introductory course is offered. Advanced students work in the same studio with beginning students but have additional weekly sessions for discussion and critique. The course may be repeated in the same area.
Prerequisite: An introductory course in the medium or permission of the instructor.

2 credit hours

312. Ancient and Medieval Art
An examination of painting, sculpture, and architecture in the western world during the ancient and medieval periods. The primary mode of instruction is lecture/discussion with slides. The course seeks to enhance the student's capacity for careful observation of different types of artistic expression. Offered 1988-89 and alternate years.

Prerequisite: Sophomore standing.

3 credit hours

314. Renaissance and Baroque Art
Architecture, sculpture, and painting in Italy and Northern Europe from the 14th through the 18th centuries. Attention is given to various methods of the art historian, including the study of iconography, analysis of styles, and comparative approaches. Offered 1988-89 and alternate years.
Prerequisite: English 270.

3 credit hours

316. Art of the 19th and 20th Centuries
An exploration of changing patterns of artistic expression in the modern world from Neo-Classic and Romantic to contemporary movements. The course emphasizes developments in the West, with some consideration of African and Asian influences. Offered 1989-90 and alternate years.
Prerequisite: English 270.

3 credit hours

343. Practicum
Opportunities are available in a variety of settings: commercial firms, advertising agencies, studios of professional artists, and therapeutic centers. A practicum in art therapy with an agency offering psychological services requires completion of Psychology 101, 211, 301 and 331.
Prerequisite: One term of Art 303.

1,2,3 credit hours;
not to exceed 6

351-352. Independent Study
Individual study in either studio art with an exhibit and a formal paper or in art history involving command of the forms and usages of the formal paper. Ordinarily taken in the spring term of the junior year and the fall term of the senior year.

6 credit hours

Athletic Training

THE MAJOR IN ATHLETIC TRAINING consists of 46 credit hours in physical education and related fields. Major requirements, course descriptions and further information may be found under the listing for physical education and other departments.

Biology

Associate Professors Ramger and Riordan, Assistant Professor Threadgill, Mr. Coker

The curriculum in biology provides the student a broad biological background while permitting concentration in specialized areas of particular interest. Field study in the nearby mountains and lakes of East Tennessee and short courses available at the Oak Ridge National Laboratory complement the curriculum. Four distinct majors are offered.

THE MAJOR IN BIOLOGY consists of 53 hours in biology and related fields, providing a comprehensive curriculum for students planning either

to enter graduate school in any of the numerous subfields of the biological sciences or to pursue research-oriented careers in biology. Required coursework includes Biology 115, 221, 251, 311 or 341, 351, 352, 411, 431, and one course chosen from 241, 321, 361; Chemistry 121, 122, 223, 224 and one course chosen from Chemistry 241, 311, 361, Mathematics 221, and Computer Science 122 or 219. Physics 101 and 102 and Mathematics 125 and 225 are strongly recommended for students planning graduate study. Suggested languages are German or French.

THE MAJOR IN ECOLOGY consists of 54 hours in biology and chemistry and is designed for students anticipating graduate study and/or careers in ecology, field biology, botany, or environmental education. Required coursework includes Biology 115, 221, 241, 251, 311, 341, 351, 352, 411, 431 and Chemistry 121, 122, 223 and 224. Mathematics 221 and 232 and Chemistry 241, 311, or 361 are strongly recommended, depending upon the student's area of interest. Suggested languages are German or French. Students planning to attend graduate school in these disciplines should check specific entrance requirements early in their undergraduate programs since some schools may specify courses for admission beyond those required for this track.

THE MAJOR IN BIOLOGY FOR THE HEALTH SCIENCES consists of 54 hours in biology and chemistry and is recommended for students planning careers in zoology, human biology, animal science, and particularly for those interested in medicine, dentistry, optometry or veterinary medicine. Requirements include Biology 115, 221, 241, 251, 321, 351, 352, 361, 411 and Chemistry 121, 122, 223, 224 and 311. Physics 101 and 102 are strongly recommended. Suggested languages are German, French or Spanish. This curriculum includes the necessary courses to prepare for the standardized examinations for admission to professional schools in the health-related fields. However, specific entry requirements for particular institutions should be ascertained early in the undergraduate program since some professional programs may require courses for admission beyond those required for this major. The Adviser on Health-Related Professions in the Department of Biology and Chemistry is able to assist in these matters.

THE MAJOR IN BIOLOGY FOR SECONDARY EDUCATION consists of 42 hours in biology and chemistry and is designed to accommodate students planning careers as teachers of biology at the secondary level. Requirements include Biology 115, 221, 241, 251, 321, 351, 352, 411, 431 and Chemistry 121 and 122. Those seeking professional certification must complete, in addition to the major requirements, a minimum of 24 credits in education and psychology: Education 208, 218, 327, 328, 332, 334 and Psychology 101. For certification in Tennessee, Education 329 is also required.

The minor in biology consists of 19 hours in biology, including Biology 115, 221 and three other courses in biology which satisfy major requirements.

115. Principles of Biology
A survey of the fundamental principles and concepts which govern and describe biological systems: cell ultrastructure and physiology; basic biochemistry of the cell and mechanisms of photosynthesis and cell respiration; nuclear and cell division; protein synthesis and the regulation of gene expression. Topics include evolutionary biology; basic Mendelian, molecular, and population genetics; plant anatomy and physiology; and environmental studies. Laboratory work emphasizes cellular organization and function, biochemical processes, and the diversity of living organisms.

4 credit hours

116. Introduction to Environmental Issues
Current topics of environmental concern, including consideration of conservation of natural resources and the environmental impact of human societies. Designed primarily for students majoring in elementary education but open to others by permission of the instructor. Usually taken in conjunction with Biology 115. Offered 1989-90 and alternate years. (offered in 1990-91 for last time)
Prerequisite or corequisite: Biology 115.

1 credit hour

217. Anatomy and Physiology I
A general survey of the structural and functional aspects of human anatomy and physiology required for the nursing curriculum. Normal as well as abnormal functions are discussed, with emphasis on the homeostatic role of the interdependence of systems. Laboratory work involves examination of models, anatomical dissections, study of human bones, and experimentation in the areas of muscle physiology and cardiovascular/blood studies.
Prerequisite or corequisite: Chemistry 117.

3 credit hours

218. Anatomy and Physiology II
Continuation of Biology 217 in which the respiratory, digestive, nervous, endocrine, excretory, and reproductive systems are examined. Laboratory work involves examination of models, anatomical dissections, and experimentation that includes respiratory measurements, nerve conduction, reflex action, sense organs, and urinalysis.
Prerequisite: Biology 217.

4 credit hours

219. Medical Microbiology
A study of medically important microorganisms and immunological methods required for the nursing curriculum. The course stresses the clinical approach to the study of microbes and emphasizes the host's response to infection, classical and emerging pathogens, as well as unusual pathogens such as viruses, fungi, and rickettsiae. Laboratory work centers on isolation and identification of microbes, environmental factors that affect microbes, and public health considerations.
Prerequisite: Biology 217.

4 credit hours

221. Genetics
A study of the mechanisms of inheritance in both animals and plants with emphasis on the action of genes in protein synthesis and enzyme function. Topics include human genetics, chromosomal aberration, human karyotyping, and application of probabilistic and statistical analysis. Laboratory work centers around raising, crossbreeding, and statistically examining several generations of fruit flies. Other

topics include chromosome slide preparation, dihybrid crosses in corn, human inheritance studies, and karyotyping of human chromosomes.
Prerequisite: Biology 115. Prerequisite or corequisite: Mathematics 120 or the equivalent.

4 credit hours with laboratory
3 credit hours without laboratory

241. Invertebrate Zoology
An introduction to the morphology and ecology of the major invertebrate phyla, protozoa through echinodermata. The protozoans and freshwater planktons are emphasized, as are insect ecology and taxonomy. Laboratory exercises involve collecting, culturing, and characterizing live freshwater and terrestrial invertebrates. An insect collection containing 50 families and 10 phyla is required. Offered 1988-89 and alternate years.
Prerequisite: Biology 115.

4 credit hours

251. Microbiology
The basic principles and methodologies of the study of microbial organisms with emphasis on cellular ultrastructure and physiology, microbial metabolism and growth, and bacterial genetics. Other topics include properties and reproduction of viruses, the biology of fungi, microbial ecology, pathogenicity, and industrial applications of microbiology. Laboratory work stresses basic research techniques: microscopy, culture growth, isolation and identification of microbes, and numbers and growth rate determination.
Prerequisite: Biology 221 or permission of instructor.

4 credit hours

311. The Biology of Cryptogams
A study of the major groups of non-seed plants with emphasis on morphology, ecology, and reproduction strategies. The course traces the evolution of the major groups of algae, bryophytes, psilophytes, lycopsids, sphenopsids, and pteridopsids, concluding with the evolution of the seed. Particular attention is given to fossil groups and the evolutionary connections between extant and extinct taxa. The laboratory, which includes field work and taxonomic identification, centers on the morphological examination of living, preserved, and fossil specimens. Offered 1989-90 and alternate years.
Prerequisite: Biology 221 and junior standing.

4 credit hours

321. Comparative Vertebrate Anatomy
A study of the structure, function, and evolutionary adaptation of the major organ systems of the vertebrates. The muscular, circulatory, respiratory, digestive, endocrine, sensory, skeletal, and nervous systems are examined in the agnathian, placodermian, chondrichythian, osteichythian, amphibian, reptilian, avian, and mammalian classes. Laboratory work involves the complete dissection and identification of the major organ systems of the dogfish shark and the cat. Special dissections of amphioxi, lampreys, fish, turtles, and birds are included. Offered 1988-89 and alternate years.
Prerequisite: Biology 115.

4 credit hours

341. The Biology of Spermatophytes
The systematics, morphology, anatomy, and reproduction strategies of the major classes and subclasses of seed plants. The course begins with the evolution of the seed and traces the phylogeny of gymnosperms and angiosperms, with emphasis on the fossil record and the principle of homology. Topics include: nomenclature,

pollen morphology, pollination ecology, floral anatomy, and dispersal mechanisms. Laboratory work stresses the morphology and anatomy of living and preserved specimens and includes histological technique and taxonomic identification. Offered 1988-89 and alternate years.
Prerequisite: Biology 221 and junior standing.

4 credit hours

349. Special Topics in Biology
Seminars involving the detailed study of advanced topics in biology not encountered in other coursework. Selected subjects may include cytology, ornithology, and plant physiology. Offered as demand warrants.
Prerequisite: At least 15 credit hours in biology, junior standing, and permission of the instructor.

2 or 3 credit hours

351-352. Independent Study
Independent research in an area of special interest to the student. The project is carried out under the supervision of a faculty adviser and culminates in a formal paper as if for publication in a scientific journal.
Prerequisite: At least 19 credit hours in biology and 8 credit hours in chemistry.

6 credit hours

361. Developmental Biology
An examination of the developmental patterns in animals and plants with emphasis on animal embryology. Discussions center on starfish, amphioxus, frog, chick, pig, and human development. Selected topics include tissue and cell differentiation as they relate to gene action and the medical and ethical implications of human embryo experimentation. Laboratory work includes fertilizing and examining the eggs and embryos of live sea urchins and frogs. The developmental stages of live chick embryos are studied in detail. Offered 1989-90 and alternate years.
Prerequisite: Biology 221 and junior standing.

4 credit hours

411. General Physiology
A detailed study of the major physiological processes in animals. A systems approach is used to analyze the excretory, respiratory, circulatory, endocrine, neuroendocrine, and neuro-muscular systems in each of the major animal phyla. Special topics include membrane transport, enzyme kinetics, temperature regulation, and behavioral adaptation to light. The laboratory involves acquisition and analysis of physiological data obtained through a variety of techniques, such as Warburg respirometry and physiographic, oscilloscopic, and electrocardiographic recording.
Prerequisite: Biology 251 or permission of the instructor.

4 credit hours

431. Ecology
Seminar which explores the unifying principles and concepts of ecology: ecosystems, trophic relationships, and energy flow; population structure and genetics; niche structure and natural selection; succession and forest ecology; and ecological modeling. Field work in the Great Smoky Mountains National Park and the surrounding area provides practical research experience through guided independent study projects. Offered 1989-90 and alternate years.
Prerequisite: At least 16 credit hours in biology and junior standing.

4 credit hours

Business and Accounting

Assistant Professors Berry and Brunger, Ms. Cuddy, and Dr. Crawford.

THE MAJOR IN BUSINESS consists of a minimum of 48 hours in the principal and related fields and is designed to give the student a knowledge of the basic principles and analytical tools of business. To provide the broad perspective of the generalist, the student is introduced to a variety of business functions. This approach makes it possible for the student to consider a range of career fields, including retailing, banking, finance, marketing and insurance. Required courses are Business 215, 216, 302, 351, 352, 401, Economics 201, Management 305, Sociology 101, Mathematics 125 or 221, Computer Science 121, 123 or 217 and 15 hours chosen from Economics 321, 322, 331 and Business 251, 341, 342, 344 or 349.

The minor in business requires completion of at least 15 hours, including Business 215, 302 and Economics 201. The minor is completed with six hours chosen from Business 341, 342, 344 and 349.

The minor in accounting is designed to supplement a student's preparation in a major field. Although it will not prepare for direct entry into a career in accounting, it does provide additional depth in the field and background for further study.

The accounting minor requires completion of at least 15 hours, including Business 215, 216, and 344 and six additional hours chosen from Business 317, 318, and Computer Science 123 or equivalent.

215. Principles of Accounting
Introduction to income statements, balance sheets, changes in financial position, cash flow budgets, ratio analysis and other financial tools. Emphasis on reading and understanding rather than actual preparation.

3 credit hours

216. Management Accounting
Internal use of accounting information by managers in decision-making. The generation and use of information in all types of organizations for planning and control purposes, including budgeting and cost-volume-profit relationships.
Prerequisite: Business or Management 215.

3 credit hours.

251. Economic History of the U.S.
Development from colonial times to the present in agriculture, industry, communications, transportation, banking and trade with emphasis on the Industrial Revolution, the Gilded Age, Populism, Progressivism, the New Deal, and the current state of the U.S. Economy. Special attention to ALCOA, TVA, and regional industrial/economic conditions. Offered 1989-90 and alternate years.
Prerequisite: Sophomore standing.

3 credit hours

302. Principles of Management
Study of modern managerial principles and processes relating to business, government, church, school, and other organizations. Emphasis on the basic management functions of planning, organizing, and controlling.
Prerequisite: Sophomore standing and one course in the social sciences.

3 credit hours

317. Cost Accounting
The focus of this course is on interval accounting for planning and control. Topics covered include valuation of manufacturing and service processes, inventory control, and quantitative tools for decision-making. Offered in 1989-90 and alternate years.
Prerequisite: Business 216.

3 credit hours

318. Tax Accounting
An introduction to the preparation of tax materials for individuals and small organizations. Emphasis on reading and interpreting of tax regulations and computation of tax liability. Offered 1989-90 and alternate years.
Prerequisite: Business or Management 215.

3 credit hours

341. Business Law
An introduction to the U.S. legal system involving case studies. Torts, contracts, agency and employment relationships, and commercial papers are considered. Offered 1988-89 and alternate years.
Prerequisite: Junior standing.

3 credit hours

342. Marketing
An examination of individual and organizational activities aimed at facilitating market exchanges. Emphasis is on the mix of marketing variables: product, place, price, and promotion. Offered 1988-89 and alternate years.
Prerequisite: Junior standing.

3 credit hours

343. Practicum in Business
Practical experience enabling students to apply classroom knowledge in an organizational setting. Open only to business majors.
Prerequisite: Senior standing and permission of the business faculty.

2,3 credit hours

344. Business Finance
Principles of financial management, including ratio analysis, forecasting, budgeting, sources of funds, valuation, cost of capital, and taxes.
Prerequisite: Business or Management 215.

3 credit hours

349. Selected Topics in Business
Examination of topics in business. Topics vary depending on interests of faculty and students. Offered as demand warrants.
Prerequisite: Six hours in management or business.

3 credit hours

351-352. Independent Study
Individual study under the guidance of a faculty superviser, involving command of the forms and usages of the formal paper.

6 credit hours

401. Business Policy
A course designed to foster integration of the student's knowledge of various business functions. Business problems are analyzed using the case study method. Open only

to students majoring in business.
Prerequisite: Senior standing and permission of the instructor.
404 Management Policy 3 credit hours
(3)

Chemistry

Professor Naylor, Associate Professor Bunde, Dr. Farr

The curriculum in chemistry affords the student sound training in the principles and techniques of modern chemical theory and experimentation. The program integrates laboratory, theoretical, and research skills to provide the range of abilities needed by the practicing chemist and yet permits concentration in the organic/biochemical or analytical/physical subdisciplines. Opportunity for study at National Laboratories such as Argonne, Oak Ridge, and the Savannah River Ecological Station complement the curriculum. Three distinct majors are offered.

THE MAJOR IN CHEMISTRY consists of 56 hours in chemistry and related fields and provides a comprehensive curriculum for students planning to enter graduate school and desiring to pursue research-oriented careers as professional chemists. Required coursework includes Chemistry 121, 122, 223, 224, 241, 351, 352, 361, 381, 391 and 425, Mathematics 125 and 225, Physics 201 and 202, and Computer Science 122 or 219. Additional work in mathematics and physics is recommended for students interested in physical or analytical chemistry. Selected coursework in biology is recommended for students anticipating biological applications. Suggested languages are German or French.

THE MAJOR IN CHEMISTRY FOR THE HEALTH SCIENCES consists of 56 hours in chemistry and related fields and is recommended for students planning careers in which biological applications of chemistry are central and particularly for those students interested in medicine, dentistry, optometry, or veterinary medicine. Requirements include Chemistry 121, 122, 223, 224, 241, 311, 351, 352 and 361, Biology 115, 221, 251, and 321, and Physics 101 and 102. Biology 361 and 411 are strongly recommended. Suggested languages are German, French or Spanish. The curriculum includes the courses necessary to prepare for the standardized examinations for admission to these professional schools. However, specific entry requirements for particular institutions should be ascertained early in the program since some professional schools may require courses for admission beyond those required for this major. The Adviser on Health-Related Professions in the Department of Biology and Chemistry is able to assist in these matters.

THE MAJOR IN CHEMISTRY FOR SECONDARY EDUCATION consists of 48 hours in chemistry and related fields and is designed primarily to accommodate students planning careers as teachers of chemistry and physical science at the secondary level. Required coursework includes Chemistry 121, 122, 223, 224, 241, 351, 352 and 361, Biology 115 and 221, Physics 101 and 102, and Science 150. Those seeking professional certification must complete, in addition to the major requirements, a minimum of 24 hours in education and psychology: Education 208, 218, 327, 328, 332, 334

and Psychology 101. For certification in Tennessee, Education 329 is also required.

The minor in chemistry requires 19 hours, including Chemistry 121, 122, 223, 224 and three additional hours in chemistry courses that satisfy major requirements.

117. Fundamentals of Chemistry
Introduction to the fundamentals of chemistry with emphasis on the inorganic, organic, and biochemical concepts needed for the study of kinesiology and physiology. Topics include physical properties of matter, the periodic table, chemical bonding, basic inorganic and organic nomenclature, and solution chemistry. Physiological chemistry and intermediary metabolism are discussed. Laboratory work emphasizes physical measurement, chemical stoichiometry, organic reactions, and the chemistry of biological molecules. Cannot be counted toward a major in chemistry.
Prerequisite: Qualification to enter Mathematics 115 or 120.

4 credit hours

119. Nutritional Biochemistry
A continuation and expansion of the fundamental concepts of biochemistry presented in Chemistry 117, with emphasis on the basic metabolic pathways in humans. The course centers on clinical nutrition concepts and theories of diet and disease and on how they are related to patient care and recovery. Cannot be counted toward a major in chemistry.
Prerequisite: Chemistry 117.

3 credit hours

121. Principles of Chemistry I
An introduction to the concepts and principles which govern macroscopic chemical behavior. Among topics discussed are elements, compounds, and the periodic table; chemical equations and stoichiometry; the gas laws and kinetic molecular theory; thermochemistry; chemical equilibrium; and reaction kinetics and mechanism. Laboratory exercises stress development of proper experimental technique and the ability to interpret empirical data and reinforce principles introduced in the classroom. Chemistry 117 is a recommended first course for students having no previous chemistry and marginal mathematics skills.
Prerequisite: Qualification to enter Mathematics 115 or 120 and high school chemistry or sophomore standing.

4 credit hours

122. Principles of Chemistry II
Consideration of concepts and principles of chemical behavior at the microscopic level: physical and colligative properties of liquids and solutions; acid-base equilibria, pH, and buffers; ionic solid solubility; oxidation-reduction processes and electrochemical phenomena; atomic theory; quantum chemistry of atoms and molecules; chemical periodicity; intermolecular interactions and theories of bonding. The laboratory continues development of manipulative skills,with emphasis on quantative as well as qualitative procedures. Skills in scientific writing are developed though formal laboratory reports.
Prerequisite: Chemistry 121.

4 credit hours

223. Organic Chemistry I
An introduction to the extensive chemistry of carbon-containing compounds. The nomenclature and functional group chemistry of aliphatic organic molecules are emphasized, as are the mechanisms by which they react. The molecular orbital interpre-

tation of chemical bonding, spectroscopic analysis, and chemical kinetics are employed to elucidate reaction mechanisms. Use of the chemical literature is introduced through Chemical Abstracts, Science Citation Index, and other reference materials. Laboratory experiments concentrate on separation methods, functional group analysis, and simple organic synthesis.
Prerequisite: Chemistry 122.

4 credit hours

224. Organic Chemistry II
An examination of the fundamental organic functional groups and their characteristic reactions, with special emphasis on biological, medicinal, pharmacological, and industrial examples. A general introduction to the identification of each compound class by infrared, nuclear magnetic resonance and mass spectrometric analysis is included. Laboratory work stresses multi-step syntheses and characterization of reaction products using physical and spectroscopic methods.
Prerequisite: Chemistry 223.

4 credit hours

231. Pharmacology
An introductory course in pharmacology, with emphasis on the principles of drug action and the pharmacological classification and therapeutic application of drugs. Drugs and drug action as they relate to the nursing profession are of principal concern.
Prerequisite: Chemistry 119.

3 credit hours

241. Quantitative Analysis
The principles and techniques of volumetric, gravimetric, and potentiometric methods of analysis. Lectures and laboratory work examine the theoretical and empirical aspects of analytical chemistry through topics, such as treatment of analytical data; theories of solution equilibria; titrimetry; complexation and precipitation reactions; and electroanalytical methods. Ultraviolet-visible and atomic absorption spectrophotometry are introduced for use in quantitative instrumental analysis. Offered 1989-90 and alternate years.
Prerequisite: Chemistry 122.

3 credit hours

311. Biochemistry
A detailed treatment of the major classes of biochemical molecules and their structure-function relationships. The physical and chemical properties of proteins, lipids, polysaccharides, and nucleic acids are emphasized through the study of the catabolic and anabolic reaction pathways by which they are metabolized. Special topics include genetic manipulation techniques, immunology, metabolic and degenerative diseases, and enzymology. The laboratory work involves separation, purification, and characterization of biochemically important molecules.
Prerequisite: Chemistry 224.

4 credit hours

349. Special Topics in Chemistry
Seminars involving the detailed study of advanced topics in chemistry not encountered in other coursework. Selected subjects are electrochemistry, radiochemistry, organometallics, polymer chemistry, and photographic chemistry. Offered as demand warrants.
Prerequisite: At least 16 credit hours in chemistry, junior or senior standing, and permission of the instructor.

1, 2, or 3 credit hours

351-352. Independent Study
Independent research in an area of special interest to the student. The project is carried out under the supervision of a faculty adviser and culminates in a formal paper as if for publication in a scientific journal.
Prerequisite: At least 19 credit hours in chemistry.

6 credit hours

361. Qualitative Organic
Methods of organic chemical analysis using classical wet-chemical tests, modern separation techniques, and a broad range of spectroscopic instrumentation. Among the methods discussed are separation by high-pressure liquid chromatography and gas-liquid chromatography; infrared, visible, and ultraviolet spectrophotometry; mass spectrometry; and proton magnetic resonance spectroscopy. The theory of each method, the practical aspects of sample preparation, and instrument maintenance are stressed. The laboratory centers on unknown sample identification using wet-chemical and spectroscopic techniques.
Prereqisite: Chemistry 224.

3 credit hours

381. Physical Chemistry I
An advanced study of the physical and chemical properties of systems at equilibrium. Chemical thermodynamics is the principal theme: fundamental laws of thermodynamics; Gibbsian and Maxwellian relationships; detailed characterization of gases; calorimetry and other thermochemical considerations. Other topics include colligative properties; vapor-liquid equilibria; phase rule and composition diagrams; and transport properties. Offered 1988-89 and alternate years.
Prerequisite: Chemistry 122 and Mathematics 225.

3 credit hours

391. Physical Chemistry II
An advanced study of the dynamics of chemical systems at the molecular level. Chemical kinetics and an introduction to statistical mechanics are the central themes: measurement of reaction rates and data reduction; transition-state theory; and reaction mechanisms, with emphasis on the steady-state approximation. Additional topics include the kinetic-molecular theory; the distribution laws of Maxwell and Bolzmann; partition functions of ideal gases; photochemistry; surface phenomena; and the theoretical basis of molecular spectroscopy. Offered 1988-89 and alternate years.
Prerequisite: Chemistry 381 and Mathematics 225.

3 credit hours

425. Physical Chemistry Laboratory
Physico-chemical measurement using modern analytical methods and instrumentation. The physical properties, thermodynamics, and kinetics of chemical systems may be investigated using methods such as calorimetry, polarimetry, refractometry, densitometry, potentiometry, and dilatometry. Experiments involving measurements of viscosity, surface tension, electrical conductivity, vapor pressure, and colligative properties may also be performed. The fundamentals of vacuum techniques are introduced, and use of the computer in problem-solving and reaction simulation is encouraged. Development of scientific writing and oral communication skills are stressed through formal laboratory reports and seminar presentations. Offered 1988-89 and alternate years.
Prerequisite: Chemistry 381. Corequisite: Chemistry 391.

2 credit hours

451. Quantum Chemistry
Fundamentals of quantum mechanics and symmetry arguments as they apply to spectroscopic analysis and elucidation of atomic/molecular structure. The experimental basis of quantum theory is examined along with a detailed description of wave mechanics and its methods. The natures of wave functions and quantum mechanical operators are introduced, and approximate solutions to the Schrodinger wave equation are obtained for simple systems. Other topics include spectroscopic term designation; calculation of physical constants; and characterization of intermolecular forces and chemical bonding. Symmetry and group theoretical operations are discussed and applied. Offered 1989-90 and alternate years.
Prerequisite: Chemistry 122 and Mathematics 225.

3 credit hours

Child Development

Students who plan to work with children or enter a graduate program in child development may choose the major in child development. The major consists of 45 credit hours in psychology and related fields. Major requirements and course descriptions may be found under the listing for psychology.

Computer Science

Professors Dent and Nichols, Ms. Darken

THE MAJOR IN COMPUTER SCIENCE/MATHEMATICS consists of 52 hours in Computer Science and Mathematics. Courses required in Computer Science are 122, 219, 221, 301, 303, 311 and 349. Courses required in Mathematics are 125, 225, 232, 235, 236, 321, 326, 351 and 352.

THE MAJOR IN COMPUTER SCIENCE/BUSINESS consists of 56 hours. Courses required are Computer Science 122, 123, 217, 221, 311, 313 and 349; Mathematics 125, 221, and 225 or 232; Economics 201 and 322; Business 215, 302, 342, 351, 352, and 401. For students wishing to emphasize finance, Business 216 and 344 may be substituted for Business 302 and 342. The courses in business and economics are described under the respective departmental listings.

The minor in computer science consists of 16 credit hours. Computer Science 122 and 221 are required, as is one course chosen from 123, 217, and 219 and two 300-level courses.

121. Introduction to Computing: BASIC
An introductory course for students with little or no previous programming experience. Elementary computer terminology, machine organization, and programming projects in the BASIC language are stressed. Does not count toward the major in Computer Science/Mathematics, Computer Science/Business, or the minor in Computer Science.
Prerequisite: Math 105 or satisfactory performance on the mathematics placement examination.

3 credit hours

122. Introduction to Computer Science: PASCAL
An introduction to Computer Science and structured programming with the PASCAL language. Emphasis on program design, coding, debugging, documentation, and programming projects.
Prerequisite: Math 105 or satisfactory performance on the mathematics placement examination.

4 credit hours

123. Business Applications in Computer Science
An introduction to the use of microcomputers in the small and medium-sized business. Electronic spreadsheets and data base management systems will be stressed.
Prerequisite: Math 105 or satisfactory performance on the mathematics placement examination.

3 credit hours

217. Intermediate Programming: COBOL
Structured programming in the COBOL language. Emphasis on program design, coding, debugging, and documentation with applications taken from business-related disciplines. Offered 1989-90 and alternate years.
Prerequisite: Some previous programming experience.

3 credit hours

219. Intermediate Programming: FORTRAN
Structured programming in the FORTRAN language. Emphasis on program design, coding, debugging, and documentation with applications taken from scientific disciplines. Offered 1988-89 and alternate years.
Prerequisite: Some previous programming experience and Mathematics 115 or the equivalent.

3 credit hours

221. Computer Architecture
Introduction to computer organization and architecture. Hardware components, representation of data, machine language instruction, I/O devices, and operations.
Prerequisite: Computer Science 122.

3 credit hours

301. Assembly Language Programming
An introduction to assembly language programming on a microcomputer. Extensive practice in programming with assigned projects. Offered 1988-89 and alternate years.
Prerequisite: Computer Science 221.

3 credit hours

303. Discrete Structures
Discrete structures useful in computer science. Topics will include sets, logic, boolean algebra, graphs, trees, and combinatorics. Offered 1988-89 and alternate years.
Prerequisite: Computer Science 122 and Mathematics 225.

3 credit hours

311. Data Structures and File Processing
An introduction to the concepts and techniques of structuring and manipulating information. Topics include sequential access files, random access files, elementary data structures, linked lists, stacks, sorting, and searching. Offered 1989-90 and alternate years.
Prerequisite: Computer Science 221.

3 credit hours

313. Data Base Management Systems
A course in the design, function, and application of data base management systems. Offered 1989-90 and alternate years.
Prerequisite: Computer Science 123 and 311.

3 credit hours

349. Selected Topics in Computer Science
Topics selected from such areas as operating systems, artificial intelligence, and computer graphics, depending on current faculty and student interests. Offered 1989-90 and alternate years.
Prerequisite: Computer Science 221 and permission of instructor.

3 credit hours

351-352. Independent Study
Individual study, with the guidance of a faculty superviser, involving command of the forms and usages of the formal paper.

6 credit hours

Dance

241-246.
Instruction in dance is available through the Van Metre School of Dance, which has studios on the Maryville campus. Students enroll for one credit hour per term. A maximum of six hours may be counted toward graduation requirements.

Debate

Intercollegiate debate is available as a credit and a non-credit offering. Students may enroll in two semesters of debate for three credit hours; enrollment in additional semesters is for one credit hour per semester. A maximum of 12 credit hours in debate may be earned.

Ecology

THE MAJOR IN ECOLOGY consists of 54 credit hours in biology and chemistry. It is designed for students anticipating graduate study and/or careers in ecology, field biology, botany, or environmental education. Major requirements and further information may be found under the biology listing.

Economics

Associate Professor Howard, Assistant Professor Brunger, Ms. Cuddy

The major in economics is appropriate for the student interested in the functioning of the economic system and in economic policy. For most positions in the business world, students who major in economics are competitive with those who major in business. For situations with strong theoretical emphasis, the major in economics provides an important advantage. The economics major also provides a basis for graduate study in management, business, finance, law, and a variety of other fields.

THE MAJOR IN ECONOMICS consists of a minimum of 43 hours in economics and related fields. Required courses in economics are 201, 221, 321, 322, 331, 334, 325 or 349, 351 and 352. Additional courses required include Business 215, Sociology 101, Mathematics 125 or 221, Social Science 301, and Political Science 122 or 232.

The minor in economics consists of 15 hours, including 201, 321, 322 and six hours chosen from 221, 325, 331, 334, 345, and 349.

201. Principles of Economics
A survey of economic principles and institutions. Topics include the philosophical foundations of market economies, supply and demand, competition and monopoly, the monetary system, and determination of national income and prices. Scarcity, inflation, and unemployment are addressed.

3 credit hours

221. Economic Development
An inquiry into the problems of economic development and social change in less developed countries. The course focuses on issues of poverty, population, industrialization, agriculture, and trade. Offered 1989-90 and alternate years.

3 credit hours

321. Macroeconomics
Macroeconomic theory and analysis, including synthesis of classical and Keynesian models of income determination. Monetary theory, inflation, unemployment, and expectations are studied, and current economic issues are examined. A computer laboratory is included. Offered 1989-90 and alternate years.
Prerequisite: Economics 201.

4 credit hours

322. Microeconomics
Microeconomic theory and analysis, including consumer demand, prediction, the firm, and general equilibrium. Applications to problems of private choice and public policy are considered.
Prerequisite: Economics 201.

3 credit hours

325. International Trade and Finance
An examination of the theory of trade, barriers to trade, balance of payments, exchange rates, and the adjustment process. The role of international institutions is considered, including the International Monetary Fund and multinational enterprise. Offered 1988-89 and alternate years.

3 credit hours

331. Public Policy Toward Business
An inquiry into the control of monopoly through antitrust law and promotion of the public interest through actions of regulatory commissions. Selected aspects of government ownership and operation of enterprises and promotion and protection of business interests are considered. Offered 1989-90 and alternate years.
Prerequisite: Economics 201.

3 credit hours

334. History of Economic Thought
An examination of the development of economic thought since ancient times. The course emphasizes the emergence of economics as a social science from the late

18th century to the present. Offered 1989-90 and alternate years.
Prerequisite: Economics 201.

3 credit hours

349. Selected Topics in Economics
Focuses on timely topics in national or international economics not covered in other department courses. Course content varies from year to year.
Prerequisite: 9 hours in economics or permission of the instructor.

3 credit hours

351-352. Independent Study
Individual study under the guidance of a faculty superviser, involving command of the forms and usages of the formal paper.

6 credit hours

Education

Assistant Professor Keith, Coordinator of Teacher Education;
Professor Lewis, Assistant Professor Jacob.

Teacher education at Maryville College is an interdepartmental function, the responsibility of the College as a whole rather than a single department. The program of preparation combines broad study in liberal arts disciplines, specialized courses in education, and professional training and experience.

For students preparing to teach in grades 1-8, a major in elementary education is offered. Those interested in teaching at the secondary level major in the subject they wish to teach and take additional courses in education to meet professional requirements.

Requirements for teaching certification vary from state to state; information about specific state requirements can be obtained through the Registrar, who is the College's certifying officer. Completion of the programs in elementary or secondary education does not automatically qualify the student for certification in all states, but the proper courses are offered to meet certification requirements in most states.

To complete either program in four years, careful planning of one's course of study is necessary to insure that all general education, major, and professional requirements are met.

Admission to either of the programs occurs only after certain minimum qualifications are satisfied. A cumulative grade point average of at least 2.2 is required, along with a 2.5 grade point average earned in courses in education and the major field. Satisfactory evaluations are also necessary in personality, health, and social skills. Preliminary screening for admission takes place in the sophomore year, with a second level of screening the junior year. Admission is conditional until the second level has been passed.

Elementary Education

THE MAJOR IN ELEMENTARY EDUCATION consists of 54 hours in professional and related courses. Professional courses are Education

208, 218, 322, 324, 325, 331, 334, and 351-352. Additional courses in related disciplines are Art 282, Biology 115 and 116, English 208, Social Science 303, HPER 236, Mathematics 207, Music 306, and Psychology 101. The general education requirement for Natural Science 150 should be satisfied with a course in the physical sciences.

Students seeking certification in Tennessee should take, in addition to the above courses, History 111 and 112, HPER 237 and 331, Speech 201, and three hours in physical education activities courses.

Secondary Education

Students complete all major requirements in the subject they wish to teach. Preparation in a second teaching field is recommended. For certification in the social sciences in Tennessee, two fields are required if one of the fields is business, economics, political science, psychology, sociology or speech. In addition to courses in the teaching areas, the following professional courses are required: Education 208, 218, 327, 328, 332, 334, and Psychology 101. For Tennessee certification, Education 329 must be completed.

208. Foundations of Education
Historic and philosophic foundations of modern Western education from its beginnings in Classical Greece to the present.

3 credit hours

218. Educational Psychology
Consideration of the principles of learning and cognitive theories and their application in the classroom. Consideration of educational testing and measurement and the interpretation of educational and psychological data.
Prerequisite: Psychology 101 and Mathematics 120 or 125.

3 credit hours

307. Methods and Materials in Music for Grades 1-12
A study of methods and materials for general vocal and instrumental music classes. Lesson-planning, observation, song-leading, and basic accompaniment ability are emphasized. Offered 1988-89 and alternate years.
Prerequisite: Education 218.

3 credit hours

322. Mathematics and Science in Elementary Education
The course considers suitable methods and materials for teaching mathematical concepts and skills in grades 1-8 and examines ways to foster understanding of the natural world and the approaches to knowledge used by natural scientists. Directed field experiences in area classrooms are a part of this course. Offered 1989-90 and alternate years.
Prerequisite: Education 218.

3 credit hours

324. Teaching of Reading
Instruction in the varied methods and materials used to teach developmental reading skills with practical applications. Directed field experiences in area classrooms are a part of this course. Offered 1988-89 and alternate years.
Prerequisite: Education 218.

4 credit hours

325. Language Arts and Social Studies in Elementary Education
A foundation course in the basic instructional procedures used to teach language arts as a separate subject and as an integral part of the methodology of social studies. Different techniques and mateials in both areas are examined. Directed field experiences in area classrooms are a part of this course. Offered 1988-89 and alternate years.
Prerequisite: Education 218.

3 credit hours.

327-328. Methods and Observation in Secondary Education
An examination of general principles applied in secondary education, including methods, materials, classroom management, and guidance. A substantial part of the term is spent in directed observation of a secondary classroom and in planned micro-teaching experiences. The two courses are taken simultaneously.
Prerequisite: Education 218. & Acceptance into Teach. Ed.

6 credit hours

329. Reading in the Content Areas
Instruction and practice in various strategies used to teach reading for meaning in content areas, such as English, foreign languages, social studies, music, and physical education. The course is necessary for all students in secondary or K-12 levels who wish to be certified in Tennessee. Offered 1989-90 and alternate years.
Prerequisite: Education 218.

2 credit hours

331. Student Teaching in the Elementary School
A supervised teaching experience in an elementary classroom under the guidance of a cooperating teacher. The practical experience is supplemented by weekly seminars. Before student teaching is begun, all other professional course requirements except Education 208 must be completed.

6 credit hours

332. Student Teaching in the Secondary School
A supervised teaching experience in a secondary classroom under the guidance of a cooperating teacher. The practical experience is supplemented by weekly seminars. Before student teaching is begun, all other professional course requirements except Education 208 must be completed.

6 credit hours

334. Exceptional Children
A course designed to examine different categories of exceptionality, including those children with special abilities as well as disabilities. Offers opportunities to develop skills in diagnosis, curriculum development, and methods and materials needed with exceptional children. Practical experience with exceptional children is included.
Prerequisites: Psychology 101, 211, or Education 218.

3 credit hours

343. Practicum in Teaching K-12
Field based, professionally directed experiences designed to familiarize students with the curriculum, instructional materials, and methods appropriate for use in a selected K-12 program area. May be taken in conjunction with Education 331 or Education 332.

1, 2, or 3 credit hours

351-352. Independent Study
Individual study under the guidance of a faculty superviser, involving command of the forms and usage of the formal paper.

6 credit hours

Engineering

Professor Nichols, Coordinator

The dual degree program in engineering is described in the catalog section on pre-professional programs. Ninety-six credit hours must be earned at Maryville, with the remainder completed at the cooperating institution. The program is highly structured, and most of the courses are part of a sequence. For that reason, one's course of study must be carefully planned to insure that all general education and major requirements are met during the three years spent at Maryville. Required courses are Mathematics 125, 225, 235 and 236, Physics 201, 202, and 203, Chemistry 121 and 122, Computer Science 219, and Independent Study 351.

See course listings under appropriate subjects.

351. Independent Study in Engineering
Individual study under the guidance of a faculty superviser involving the command of the forms and usages of the formal paper.

3 credit hours

English

Professor Beck, Associate Professor Bushing, Assistant Professors Schneibel and Butts, Mr. Bradley, Ms. Campbell, Mr. Powell

The major in English focuses on English and American literature and is frequently recommended for a variety of careers. The skills emphasized in organized thinking, writing, and research prepare the student not only for teaching and for the many branches of editing and publishing but for other professions such as law, medicine, and the ministry. These same skills are in demand in business and industry where leadership positions go to those who can think logically and express themselves clearly.

THE MAJOR IN ENGLISH requires a minimum of 36 hours in departmental courses above the 130-level, including 214, 270, 311, and 351-352. Required related courses are three in history to be chosen from History 111, 112, 211, and 212. The foreign language requirement should be chosen from French, German or Spanish. Those planning to teach in high school are advised to take Oral Interpretation (Speech 203) and American Literature 221, 222.

The minor in English requires the completion of 15 hours of English above the 130 course, including English 214, 270, and 311. Other courses may be based on the student's particular interest but should include at least one period and one genre course.

THE MAJOR IN WRITING/COMMUNICATION requires 39 hours in English above the 130-level and nine hours in related courses. The

courses in English will include 214, 311, 337 and two of the following: English 217, 218, 219. English 337 is an off-campus internship in journalism, publishing, technical writing or related areas. The internship may be extended up to nine hours; the additional hours do not count toward the basic requirements for the major. Six hours of related courses are to be chosen from History 111, 112, 211, and 212.

104. Fundamentals of English Usage
A basic course in expository writing that combines systematic study of grammar and mechanics with exercises in sentence combining, practice in paragraph writing, and weekly themes. Students may expect to acquire writing skills that will be useful in all college courses. Those who demonstrate mastery of these skills, through standardized tests and writing samples, may begin with English 130.
3 credit hours

130. Composition and Research
A course in organization and research methods, with major emphasis on the library paper. It also includes a review of the mechanics of writing, a study of the methods of rhetoric, attention to style, and practice in oral reports.
Prerequisite: Placement into the course or English 104.
3 credit hours

162. Exploring Literature
A genre approach with concentration on the forms of the short story, drama, and poetry, the course is designed to cultivate skills in analysis and appreciation of works ranging from the classical Greek to the contemporary American and Continental. Emphasis is placed on class discussion along with written and oral reports.
Prerequisite: Placement in English 130.
3 credit hours

208. Children's Literature
An historical and critical overview of children's literature from the 15th century to the present, with emphasis on milestone books, authors, and illustrators. Attention is given to literary styles, the relationship of art and text, and criteria for judging contemporary literature. Offered 1989-90 and alternate years.
Prerequisite: English 130.
3 credit hours

214. Introduction to Literary Study
An introduction to the methods and materials useful to the serious student of literature. The readings, selected from English and American masterpieces, represent major periods and genres. Emphasis is on intensive analysis based on careful reading and attention to the pertinent scholarship and various critical approaches. Students are encouraged to develop their own scholarly styles through the writing of critical papers.
Prerequisite: English 130.
4 credit hours

217. Introduction to Journalism
An introduction to journalism for students who work on college publications or otherwise have an interest in the subject. Through lectures, class discussions, speakers from the professional journalism community, videos, and field trips, the course provides an overview of the profession and its historical, ethical, and legal issues. Practice in copy editing, layout, headlines, captions, and different types of news and feature stories is included, along with attention to individual writing

style and development of analytical and critical skills.
Prerequisite: English 130.

3 credit hours

218. Technical Writing
Students will learn about different types of report formats used in business and industry and will prepare a series of papers such as proposals, abstracts, and a definition report which will lead to a major paper. The class will include practice in writing, editing, and designing visuals. Discussion may be supplemented by speakers, videos and field trips. Offered 1989-90 and alternate years.
Prerequisite: English 130.

3 credit hours

219. Advanced Composition
This class gives students the opportunity to investigate in depth a particular writing style as well as to study a variety of forms, such as short stories, profiles, reviews, biographies, film scripts, and children's stories. After reading examples in a specific genre and reading essays about writing in that style, students will demonstrate their own skills in a chosen area. Offered 1988-89 and alternate years.
Prerequisite: English 130.

3 credit hours

221. American Literature to 1865
A chronological approach to the development of America from its beginnings to the end of the Civil War. After a brief survey of the colonial period, the emphasis is on Poe, Emerson, Thoreau, Hawthorne, Melville, and Whitman.
Prerequisite: English 130.

3 credit hours

222. American Literature Since 1865
A survey of American literature from the post-war period to the present, from Mark Twain to the contemporary poets, with attention to such writers as Dickinson, James, Eliot, Fitzgerald, Faulkner, Hemingway, O'Neill, and O'Conner.
Prerequisites: English 130.

3 credit hours

270. Western World Literature from the Greek to the 17th Century
A course designed to acquaint the student with some of the Western World's literary masterpieces in translation and a selection of significant English literary works up to Milton.
Prerequisite: Sophomore standing.

3 credit hours

311. History of the English Language
The history and growth of the English language based on close textual analysis of Old, Middle, and Early Modern English, with some attention to modern grammar and linguistic theory. Offered 1988-89 and alternate years.
Prerequisite: Junior standing.

3 credit hours

312. History and Literature of Western Theatre I
A combination lecture, reading, and discussion course which traces the evolution of Western theatre from Dionysian ritual in ancient Athens to 17th century France. Theatre architecture and organization, works of dramatic literature, and theoretical treatises on performance will be studied in relation to the social and intellectual his-

tory of each major era. Specific attention will be paid to fifth century Athens, ancient Rome, Elizabethan England, the Italian Renaissance, and French Neoclassicism.

3 credit hours

313. History and Literature of Western Theatre II
A continuation of English 312. Specific attention will be paid to the English Restoration, German Romanticism, the emergence of the middle-class theatre, realism the 20th century avant-garde and post modernism. The class will read and discuss plays from each period.

3 credit hours

331. English Literature of the Middle English Period
The major works of Chaucer read in Middle English, with lectures on the historical and literary backgrounds. The fourth-hour reading includes other important works of the Medieval Period, such as Piers Plowman, Pearl, The Wakefield Cycle, and medieval lyrics. Offered 1988-89 and alternate years.
Prerequisite: English 214 and 270.

3 or 4 credit hours

332. English Literature of the Elizabethan Period
A study of 12 to 14 plays by Shakespeare, with equal emphasis on the comedies, tragedies, and histories and attention to the historical and literary backgrounds of the period. The fourth-hour reading includes the works of Shakespeare's chief contemporaries. Offered 1989-90 and alternate years.
Prerequisite: English 214 and 270.

3 or 4 credit hours

333. English Literature of the 17th Century
A study of the poetry and prose of the 17th century to Dryden. Emphasis in poetry is on the schools of Donne and Jonson, culminating in a study of the major works of Milton. Offered 1988-89 and alternate years.
Prerequisite: English 214 and 270.

3 credit hours

334. English Literature of the Restoration and 18th Century
A survey of literature from 1660 to 1790, with emphasis on the writing and influence of Dryden, Swift, Pope, Johnson, and Boswell. The course also deals with the emergence of new forms such as the periodical essay and other literary trends of the period. Offered 1988-89 and alternate years.
Prerequisite: English 214 and 270.

3 credit hours

335. English Literature of the 19th Century
A study of Romantic and Victorian Literature as a reflection of the aesthetic, philosophical, social, and scientific developments of the 19th century. Writers to be studied include Wordsworth, Coleridge, Byron, Shelley, Keats, Tennyson, Browning, Carlyle, Arnold, Ruskin, and the Pre-Raphaelites. Offered 1989-90 and alternate years.
Prerequisite: English 214 and 270.

3 credit hours

336. Twentieth Century British Literature
A survey of the works of such major English and Irish authors as Lawrence, Joyce, Woolf, Yeats, Eliot, and Auden, as well as some of the important literary

groups or movements. Included also are the works of promising contemporary writers. Offered 1989-90 and alternate years.
Prerequisite: English 214 and 270.

3 credit hours

337-8-9. Internship
Field experience that provides an introduction to careers in professional writing through work on the writing staff of a newspaper, magazine, publishing house, or related enterprise.
Prerequisite: English 217, 218, or 219.

3, 6, or 9 credit hours

344. Modern Comparative Literature
Study includes works in the Anglo-American-European tradition. Readings from such authors as Moliere, Tolstoy, Kafka and Eliot are examined to discover trends and developments in some of the philosophical, historical and aesthetic movements of the past three hundred years.
Prerequisite: ~~English 214.~~ Jr. standing

3 credit hours

346. British and American Drama of the Twentieth Century
A survey of drama in Britain and America from 1900 to the present, emphasizing such established playwrights as Shaw, O'Neill, Williams, Miller, and Becket as well as certain important literary movements including Little Theater, Irish Theater, and Theater of the Absurd. The course will conclude with the consideration of a range of emerging contemporary authors and their plays. Offered 1989-90 and alternate years.
Prerequisite: Junior standing.

3 credit hours

347. The English Novel
A study of the English novel from its beginnings in the 18th century to the modern period. While tracing minor streams in fiction such as the epistolary and gothic, the course concentrates on the major novelists. Offered 1989-90 and alternate years.
Prerequisite: Junior standing.

3 credit hours

348. Critical Theory
A survey of the theory and practice of literary criticism. The course begins with an examination of critical writings from the classical Greeks to the moderns. Special attention is given to the various approaches to contemporary criticism, with the students being encouraged to develop their own set of fundamental questions needed for practicing criticism. Offered when demand warrants.
Prerequisite: Junior standing.

3 credit hours

349. Topics in Literature
Course content varies from year to year to meet the special interests, abilities, and needs of advanced students. Offered when demand warrants.
Prerequisite: Permission of the instructor.

3 credit hours

351-352. Independent Study
Individual study, with the guidance of a faculty superviser, on a topic that will provide experience in intensive research and the preparation of a formal paper. The study is usually begun in the last term of the junior year and completed in the first term of the senior year. Students who have a strong interest in writing and the prerequisite in advanced composition may present a proposal for a creative writing project.
Prerequisite: Completion of a minimum of four courses in the major.
6 credit hours

English as Second Language

Mr. Franklin, Director of the Center for English Language Learning

The Center for English Language learning offers courses for credit to students who enroll in Maryville College. A more complete description of the Center can be found in the Admissions section of this catalog.

101. Composition for ESL Students
A semester-length course for international students who have studied English as a second language but need additional work to reach college-level proficiency in English writing and rhetoric. Those who demonstrate mastery of writing skills, through standardized tests and writing samples, may begin with English 104 or 130.
3 credit hours

Courses offered in five-week intensive modules are as follows:

Beginning: levels 1 & 2 (must be combined)	1 credit hour
Elementary: levels 3 & 4	1 credit hour each
Intermediate: levels 5 & 6	1 credit hour each
Advanced: levels 7 & 8	1 credit hour each
Part-time: level 9	2 credit hours

Exercise Science

THE MAJOR IN EXERCISE SCIENCE consists of 54 hours in physical education, biology, chemistry, and other fields. Major requirements, course descriptions, and further information can be found in the listings for physical education and other fields.

Foreign Languages

Instruction is available in six foreign languages; a major is offered in Spanish. Several courses are also taught in American Sign Language as part of the major in Sign Language Interpretation. Course descriptions can be found under listings for French, German, Greek, Japanese, Latin, Spanish and Sign Language Interpretation.

The study of foreign languages offers an introduction to new cultural patterns along with the acquisition of specific skills that are increasingly useful in a closely interrelated world. Business majors who know Spanish or Japanese, for example, will find broader opportunities in their field, and political science majors interested in international law would do well to study several languages. All students planning to attend graduate school should prepare themselves with at least one additional language.

French

110. Elementary French I
An introduction to French emphasizing use of the spoken language. Attention is given to pronunciation and speech patterns, the development of a working vocabulary, and the framing of simple sentences. Class meetings are supplemented by drill sessions with native speakers.

4 credit hours

120. Elementary French II
A sequel to French 110, designed to increase facility in speaking, improve aural comprehension, and expand vocabulary. Correct usage and confidence-building are stressed in class and drill sessions. Class meetings are supplemented by drill sessions with native speakers.

3 credit hours

201-202. Intermediate French I & II
An introduction to French literature through the reading of selected works from various genres, with attention to the reinforcement of basic skills and expansion of vocabulary. Meetings in small groups under the direction of native speakers provide additional opportunities to develop skills in conversation. Offered as demand warrants.
Prerequisite: French 120 or the equivalent.

3 credit hours each course

German

Assistant Professor Schneibel

110. Elementary German I
An introduction to German emphasizing use of the spoken language. Attention is given to pronunciation and speech patterns, the development of a working vocabulary, and the framing of simple sentences. Class meetings are supplemented by drill sessions with native speakers.

4 credit hours

120. Elementary German II
A sequel to German 110, designed to increase facility in speaking, improve aural comprehension, and expand vocabulary. Correct usage and confidence building are stressed in class and drill sessions. Class meetings are supplemented by drill sessions with native speakers.

3 credit hours

201-202. Intermediate German I & II
An introduction to German literature through the reading of selected works from various genres, with attention to the reinforcement of basic skills and expansion of vocabulary. Meetings in small groups under the direction of native speakers provide additional opportunities to develop skills in conversation. Offered as demand warrants.
Prerequisite: German 120 or the equivalent.

3 credit hours each course

Greek

Professor Cartlidge

110-120. Elementary Hellenistic and Koine Greek I & II
Designed to prepare student to read the literature of the early church and its environment. The basic texts are the New Testament, early church literature, and other literature of the Greco-Roman world. Offered 1988-89 and alternate years.

110: 4 credit hours
120: 3 credit hours

201. Intermediate Hellenistic Greek
Interpretive reading of the literature of the early church, pagan, and Jewish authors. Offered as demand warrants.
Prerequisite: Greek 120 or the equivalent.

3 credit hours

History

Professor Lewis, Associate Professor Kratz, Dr. McNiell

History is a discipline concerned with the variety of humankind and with social and cultural change over time. The study of the past offers liberation from confined thinking that cannot see beyond the present, and it helps the student achieve the deeper perspective essential to personal and intellectual growth. The department offers a major that serves as preparation for those considering careers in law, journalism, the ministry, teaching, business, and library or public service.

THE MAJOR IN HISTORY consists of 45 hours, including 36 in history and nine in related fields. Courses required in history are 111, 112, 209, 211, 212, 221, and 351-352. Nine hours are selected from 231, 251, 313, 314, 315, and 349, and 3 hours are selected from 342, 344, and 346. Related courses are English 221, Art 312 or 314 and one course chosen from Social Science 303, Political Science 211, Sociology 211, and Philosophy 301 or 303. Students anticipating graduate study in history are strongly advised to acquire intermediate-level proficiency in either French or German.

The minor in history consists of 18 hours, including 111, 112, 211, and three other courses above the 100-level.

111. History of the United States to 1865
Consideration of the colonial experience, struggle for independence, federal period, trans-continental experience, and the North-South struggle.

3 credit hours

112. History of the United States Since 1865
Emphasis on industrialism and its consequences and the emergence of the United States as a world power.

3 credit hours

209. Ancient History
In alternative offerings the course considers Greece or Rome. When Greece is the subject, the focus is on the crisis of the fifth century B.C. and its consequences. When Roman history is being examined, both the Republic and the Empire are considered, with emphasis on political, legal, and cultural aspects. Roman history is offered in 1989-90; Greek history in 1988-89.

3 credit hours

211. History of England to 1660
Development of the British Isles from prehistoric times through the Tudor period. Special emphasis upon emerging constitutional and cultural patterns and institutions.

3 credit hours

212. History of England: 1660-1950
Examines the religious and constitutional upheavals of the 17th and 18th centuries, the growth of the empire, industrialism, and the socio-economic and cultural consequences of these upon modern Britain.

3 credit hours

221. The Twentieth Century European World
Traces the culmination and decline of Europe's world preeminence. Deals with issues such as the causes and impact of two World Wars, the changing shape of the world economy, ideological and cultural shifts, and major social trends through the 1960's.

3 credit hours

231. History of American Thought and Culture
Puritanism; the Enlightenment; the Romantic impulse; the Americanization of Christianity; the Southern intellectual tradition; the impact of naturalism, science, and higher education; the counterculture; the New Right. Offered 1988-89 and alternate years.
Prerequisite: History 111 or 112, or Social Science 220, or English 221.

3 credit hours

251. Economic History of the United States
Development from colonial times to the present in agriculture, industry, communications, transportation, banking, and trade, with emphasis on the Industrial Revolution, the robber barons, Populism, Progressivism, the New Deal, and the current state of the U.S. Economy. Special attention is given to ALCOA, TVA, and the industrial and economic conditions in the region. Offered 1989-90 and alternate years.
Prerequisite: Sophomore standing.

3 credit hours

313. Europe in the Middle Ages
Search for Community; European genesis in the decaying Roman Empire; attempts at socio-economic synthesis under the auspices of the Church, Empire, feudal institutions and nation-states. Offered 1989-90 and alternate years.
Prerequisite: Junior standing or above.

3 credit hours

314. Renaissance and Reformation
The breakdown of the medieval synthesis from the 14th to the 17th centuries. Religious schism and reformation; nation state-making and new political theory; humanism and its consequences in the arts, education and society; economic and

political expansion of Europe. Offered 1989-90 and alternate years.
Prerequisite: Junior standing or above.

3 credit hours

315. Nineteenth Century Europe: 1789-1900
The French Revolution, the Industrial Revolution and their heritages—nationalism, liberalism, democracy, socialism. Challenge to religious, intellectual, scientific and artistic foundations. Offered 1988-89 and alternate years.
Prerequisite: Junior standing or above.

3 credit hours

342. History of Africa
The African peoples, their empires and kingdoms; their contacts with Greco-Roman, Persian, Arab, and European worlds. Emphasis on developments of the 19th and 20th centuries—slavery, the scramble for hegemony, colonial systems, independence movements, and the new states.
Offered as demand warrants.

3 credit hours

344. History of Modern China
An examination of developments in China in the century and a half after 1800. The transformation of traditional society, the impact of western influence, the development of nationalism from its inception to the establishment of the People's Republic in 1949. Offered 1989-90 and alternate years.

3 credit hours

346. History of Modern Russia
Traces the growth of the Russian state, the role of the Great Russians and other peoples of this empire, beginning with Muscovite expansion, the Romanov empire, the background (social, political, intellectual) of the 1917 revolutions, and the emerging Soviet society and its role in the 20th century. Offered 1988-89 and alternate years.

3 credit hours

349. Topics in American and European History
A course with subject matter that changes from year to year, depending on the particular interests of faculty and students. Offered as demand warrants.

3 credit hours

351-352. Independent Study
Individual study with the guidance of a faculty superviser involving command of the forms and usages of the formal paper. Ordinarily taken in the spring term of the junior year and the fall term of the senior year.

6 credit hours

International Studies

Professors Kim (Coordinator), Boldon and Lewis, Associate Professor V. Schoen, Assistant Professors Brunger and Hewitt, Ms. Franklin

The major in international studies combines work in several related disciplines with language study and a period of time overseas. The program focuses on East Asia, with emphasis on Japan, Korea, and China.

THE MAJOR IN INTERNATIONAL STUDIES consists of at least 36 hours in course work, in addition to study needed to develop sufficient language proficiency. Required courses are Political Science 211 and 212, Sociology 211, Economics 221, Social Science 303, and International Studies 351-352. Fifteen additional hours of course work on the region must also be completed, with nine hours in the humanities or arts, and six hours in the social sciences.

The courses in humanities and arts may include History 344, Religion 348, suitable special topics or Interim courses, or appropriate courses offered at an approved insitiution. The courses in the social sciences may be chosen from Political Science 311 and 312, Economics 325, suitable special topics or Interim courses, or appropriate courses offered at an approved institution. Descriptions of courses regularly offered are given in other sections of this catalog.

The language requirement is proficiency in Japanese, Chinese or Korean beyond the intermediate level. Proficiency may be demonstrated, and the requirement satisfied, without enrollment in college courses. For those who elect formal course work, proficiency beyond the intermediate level is defined as completion of more than twelve semester hours with a grade of "C" or better.

An essential component of the major is a period of study in the region of at least six weeks duration. Such study may be done at Kansai University of Foreign Studies (Kansai Gaidai) in Japan or at Han Nam University or Yonsei University in Korea, institutions with which Maryville College has student exchange agreements, or other approved colleges offering programs for native English-speakers. Enrollment at Kansai, Han Nam, and Yonsei may be for either one or two semesters; up to 16 credit hours can be earned for each semester.

Also available for satisfying this requirement are the summer programs of the Minami Hokkaido International Cultural Exchange Center (MIC), located in Hokkaido. Both Kansai and MIC provide opportunities for living with a Japanese family. Supplementary travel or work beyond the organized study is strongly encouraged, and up to six additional credit hours may be earned thereby. If the student desires, the period abroad may satisfy the graduation requirement for two experiential interim courses.

The minor in international studies consists of 15 hours. It must include Political Science 211 and 212, Sociology 211 or Social Science 303, Economics 221 or 325, and one course chosen from History 342 or 344 (both have prerequisites), or Political Science 311 or 312.

Economics 221: Economic Development.
Economics 325: International Trade and Finance.
History 344: Modern China.
Japanese 110-120: Elementary Japanese.
Japanese 201-202: Intermediate Japanese.
Political Science 211: Comparative Government and Politics.
Political Science 212: International Politics.
Political Science 311: Government and Politics of East Asia.
Political Science 312: Comparative Foreign Policy.
Religion 348: Advanced Study in East Asian Religions.
Social Science 303: Cultural Geography.

Sociology 211: Cultural Anthropology.
International Studies 351-352: Independent Study.

Japanese

Ms. Franklin

110-120. Elementary Japanese I & II
Introduction to basic conversation patterns of contemporary Japanese, emphasizing vocabulary and grammar. Practice in conversation is provided through sessions with native speakers. The second course introduces hiragana and katakana syllabaries.
110: 4 credit hours
120: 3 credit hours

201-202. Intermediate Japanese I & II
A continuation of Japanese 110-120, with the introduction of 100 kanji(Chinese characters) in 201 and an additional 100 kanji in 202. Offered as demand warrants. Prerequisite: Permission of the instructor.
3 credit hours for each course

Latin

Assistant Professor Perez-Reilly

110. Elementary Latin I
An introduction to Latin, including the declensions, conjugations, use of pronouns, and noun-adjective agreement. Emphasis on a working vocabulary, an understanding of inflection, and basic techniques of translation. Offered 1989-90 and alternate years.
4 credit hours

120. Elementary Latin II
A sequel to Latin 110, designed to increase facility in reading and translating skills. Grammatical constructions dealing with the subjunctive, the use of participles, deponent verbs, and compound sentences. Simple translations from original Latin sources. Offered in 1989-90 and alternate years.
3 credit hours

Management

Professor Kim, Associate Professor Howard, Assistant Professors Berry, Brunger, and Phillips, Ms. Cuddy

The major in management focuses principally on the field of human resources management and is designed to provide a background in decision-making, the behavior of complex organizations and the economic, political, and social aspects of management.

The major is designed to be applicable to a variety of management settings including business, public administration, voluntary organizations, health services and the arts. The independent study requirement and the possibility of a field experience in management provide the opportunity for study in a specialized field.

THE MAJOR IN MANAGEMENT consists of a minimum of 45 hours in management and related fields. Required courses are Management 215, 221, 302, 305, 333, 351, 352, and 404, Computer Science 121, 123, or 217, Economics 201, Mathematics 125 or 221, Psychology 101, Sociology 101, and six hours chosen from Business 344, Management 232, 336, and 349, and Social Science 301.

The minor in management consists of a minimum of 18 hours. Required courses are Management 302, 305, and 333, Sociology 101, and Economics 201. One additional course must be chosen from Management 215, 221, 232, and Social Science 301.

215. Principles of Accounting
An introduction to income statements, balance sheets, changes in financial position, cash flow budgets, ratio analysis and other financial tools. Emphasis on reading and understanding rather than actual preparation.

3 credit hours

221. Social Psychology
The study of the interactions of individuals in social situations. Attitudes, values, beliefs, perceptions, conformity, power, and leadership are among the topics studied.
Prerequisite: Psychology 101.

3 credit hours

232. Public Policy
Consideration of social, cultural, historical, political, behavioral, and structural aspects of the public policy process. Particular attention is given to the character of decision-making. Offered 1989-90 and alternate years.
Prerequisite: Sophomore standing.

3 credit hours

302. Principles of Management
Study of modern managerial principles and processes relating to business, government, church, school, and other organizations. Emphasis on the basic management functions of planning, organizing, and controlling.
Prerequisite: Sophomore standing and one course in the social sciences.

3 credit hours

305. Organizational Behavior
Analysis of complex organizations and bureaucracy. The goals, design, internal structure and environmental relations of organizations. The problems of groups and individuals who are increasingly embedded in and shaped by impersonal, large-scale organizations.
Prerequisite: Sociology 101 and Management 302.

3 credit hours

333. Human Resources Management
The acquisition, supervision, and management of human resources. Applied approaches to psychological and sociological dimensions of human behavior in the workplace. Offered 1988-89 and alternate years.
Prerequisite: Management 302.

3 credit hours

336. Operations Management
Analysis of concepts and techniques for decision-making in the operations function. Focus on identification and solution of problems in the production system. Topics covered include forecasting, production, planning, scheduling, quality control, and inventory control. Offered 1989-90 and alternate years.
Prerequisite: Management 302.

3 credit hours

343. Practicum in Management
Practical experience enabling students to apply classroom knowledge in an organizational setting. Open only to management majors.

2 or 3 credit hours

349. Selected Topics in Management
Examination of topics in management. Topics vary depending on interests of faculty and students.
Prerequisite: Six credit hours in management or business.

3 credit hours

351-352. Independent Study
Individual study under the guidance of a faculty superviser involving command of the forms and usages of the formal paper.

6 credit hours

404. Case Studies in Management
Encourages integration of knowledge through analysis of management problems in business, government, church, school, and other organizations. The case study method is used. Open only to management majors.
Prerequisite: Senior standing and permission of the instructor.

3 credit hours

Mathematics

Professors Dent and Nichols, Mr. Vinson

THE MAJOR IN MATHEMATICS consists of 54 hours in mathematics and related fields. Required courses in mathematics are 125, 225, 232, 235, 236, 302, 312, 315, 321, 326, and 351-352. Related courses are Physics 201 and 202 and Computer Science 122 and 219. Any student who expects to attend graduate school is advised to acquire intermediate-level proficiency in French or German.

The minor in mathematics requires 125, 225, 232, and two other courses numbered above 225.

105. Fundamentals of Algebra
Review of basic algebraic skills. Signed numbers, fractions, exponents, linear and quadratic equations, inequalities, absolute value, and scientific notation. Required of all students who lack an entrance credit in algebra or who perform below minimum standards on the mathematics placement examination. The course is listed on the student's official record, but the three credit hours earned by satisfactory completion do not count toward the minimum needed for graduation.

115. Precalculus Mathematics
Fundamentals of college algebra and trigonometry. Functions, polynomial and

rational functions, exponential and logarithmic functions, trigonometric functions, analytic trigonometry, and complex numbers.
Prerequisite: Satisfactory performance on the mathematics placement test or Mathematics 105.

4 credit hours

116. Trigonometry
Study of the principles of analytic trigonometry and the trigonometric functions. An alternative to Mathematics 115, both courses may not be taken for credit.
Prerequisite: Satisfactory performance on the mathematics placement test or Mathematics 105.

2 credit hours

125. Calculus I
Limits, the derivative and its applications, and an introduction to the integral.
Prerequisite: Mathematics 115 or 116 or the equivalent.

4 credit hours

207. Mathematics for Elementary Teachers
A study of the structure of the real number system, algebra, and geometry. Material designed to meet the needs of students preparing to be elementary teachers. Offered 1989-90 and alternate years.
Prerequisite: Mathematics 120.

3 credit hours

221. Inferential Statistics
An introduction to decision-making. Topics include sampling theory, estimation of parameters, hypothesis testing, analysis of variance, and both parametric and non-parametric tests.
Prerequisite: Mathematics 120.

3 credit hours

225. Calculus II
The definite integral and applications, analytic geometry, exponential and logarithmic functions, trigonometric functions, hyperbolic functions, and techniques of integration.
Prerequisite: Mathematics 125.

4 credit hours

232. Linear Algebra
Linear equations, vector spaces, linear transformations, determinants, matrices, and applications.
Prerequisite: Mathematics 125.

3 credit hours

235. Calculus III
Solid analytic geometry, vectors, infinite series, partial differentiation, and multiple integration.
Prerequisite: Mathematics 225.

4 credit hours

236. Ordinary Differential Equations
Equations of order one, linear differential equations, undetermined coefficients, variation of parameters, differential operators, and applications.
Prerequisite: Mathematics 225.

3 credit hours

302. Modern Algebra
Introduction to abstract algebra. Groups, rings, integral domains, and fields. Offered 1989-90 and alternate years.
Prerequisite: Mathematics 232.

3 credit hours

312. Advanced Linear Algebra
A theoretical study of linear equations, linear spaces, linear mappings, matrices, determinants, and equivalence relations on matrices. Emphasis is placed on a canonical form for similarity of matrices. Offered 1989-90 and alternate years.
Prerequisite: Mathematics 302.

3 credit hours

315. Advanced Calculus
Theory of limits, continuity, differentiation, integration, sequences, and series. Offered 1989-90 and alternate years.
Prerequisite: Mathematics 235.

3 credit hours

321. Probability and Statistics
Probability, empirical distributions, discrete and continuous distributions, sampling distribution theory, confidence intervals, estimation theory and hypothesis testing. Offered 1989-90 and alternate years.
Prerequisite: Mathematics 225.

3 credit hours

326. Numerical Analysis
An introduction to the techniques of obtaining numerical solutions on a computer. Topics covered will include roots of equations, numerical integration, least squares, simultaneous equations, and curve fitting. Offered 1989-90 and alternate years.
Prerequisite: Mathematics 225 and Computer Science 219.

3 credit hours

351-352. Independent Study
Individual study with the guidance of a faculty superviser involving command of the forms and usages of the formal paper.

6 credit hours

Medieval Studies

Under the auspices of the Committee on Medieval Studies, a multi-disciplinary minor in medieval studies is offered. The program emphasizes major currents of thought in the West from the collapse of the Roman Empire to approximately 1500. A minimum of 15 hours is required, with courses chosen from Art 312, English 311 and 331, History 211 and 313, Music 301, Philosophy 301, and an appropriate section of Religion 346. The courses are described under the separate subject listings.

Art 312: Ancient and Medieval Art
English 311: History of the English Language
English 331: Literature of the Middle English Period
History 211: History of England to 1600
History 313: Europe and the Middle Ages
Music 301: Music History and Styles: Antiquity through the 16th Century

Philosophy 301: Ancient and Medieval Philosophy
Religion 346: Advanced Study in the History of Christian Thought

Music

THE MAJOR IN MUSIC for those pursuing the Bachelor of Arts degree requires a minimum of 50 hours. Required courses are 101, 102, 201, 202, 211, 212, 301,302, 303, 304, and 351-352. Twelve hours must also be earned in applied music and four hours in ensemble participation. Description of those courses, and information about applied music and ensembles, can be found in the catalog section on the Bachelor of Music degree.

The minor in music consists of 18 credit hours in courses and/or lessons, including 101, 102, and at least six hours at the 300 or 400 level.

Before acceptance into any of the programs in music, students must demonstrate basic proficiency in keyboard and theoretical skills. Those who lack this preparation must complete whatever non-credit courses are needed to provide this essential background.

Descriptions of courses, faculty listings, and information about applied music and ensemble can be found in the catalog section on the Bachelor of Music degree.

Music and Theatre

THE MAJOR IN MUSIC AND THEATRE requires 55 hours. Required courses are Music 101, 102, 121, 122, 211, 212, 303, 401 and 402, Speech-Theatre 203 or 311, 212, 312, and 313; Music and Theatre 351-352. Also required are four hours in dance or physical education activities courses chosen from 106, 107, 117, 139, 154, 163, 166, and 168. Twelve hours must be earned in the study of applied voice and four hours in choral music.

Descriptions of music courses and information about applied music and ensembles can be found in the catalog section on the Bachelor of Music degree. Descriptions of other required courses can be found under the appropriate listings.

Music 101: Basic Structures of Music and Elementary Counterpoint
Music 102: Intermediate Part-writing
Music 121: Eurhythmics I
Music 122: Eurhythmics II
Music 211: Solfege and Dictation I
Music 212: Solfege and Dictation II
Music 303: Music History and Styles:19th century
Music 401: Literature in Major Applied Field I
Music 402: Literature in Major Applied Field II
Speech-Theatre 203: Oral Interpretation of Literature
Speech-Theatre 212: Acting
Speech-Theatre 311: Directing
Speech-Theatre 312: History and Literature of Western Theatre I

Speech-Theatre 313: History and Literature of Western Theatre II
Music and Theatre 351-352: Independent Study

Philosophy

Professor Cartlidge, Assistant Professor Hewitt

Philosophy is preeminently concerned with the quest for understanding, based on inquiry and reflection. At Maryville, the course offerings emphasize the history of thought and the sub-field of ethics.

The minor in philosophy consists of 15 credit hours. Philosophy 301 and 303 are required, along with three other courses. No major is offered.

204. Introduction to Philosophy
An introduction to philosophical investigation and reflection, emphasizing the search for ways to understand oneself and the world. Students are encouraged to formulate their own critical perspectives as they consider such major philosphical problems as the existence of God, the freedom of the will, the bases of knowledge and belief, and the nature of social and poltical responsibility. Offered as demand warrants.

3 credit hours

206. Ethics
Examination of some major ethical theories in light of the contemporary challenges of relativism and subjectivism. The course seeks to help students to discover what it is to be good, to understand the foundations of ethical values, and to develop skill at applying critical and reflective thinking to one's values, decisions and actions. Offered as demand warrants.

3 credit hours

207. Primer in Philosophical Studies
An introduction to philosophical thinking through concentration on specific issues of practical philosophy, e.g., what do we mean by love, by justice, by peace, by security? Topics may be chosen in response to student requests.

3 credit hours

208. Special Topics in Philosophy
Philosophic examination of a topic or thinker of special interest to students and faculty. Students are invited to propose topics for the course. Course may be repeated for credit when topics vary. Offered as demand warrants.

3 credit hours

301. Ancient and Medieval Philosophy
Examines the birth of self-critical reflection especially in Socrates, Plato and Aristotle, with emphasis on the historical and contemporary significance of the integration of self-knowledge with the political order and an understanding of the cosmos in Greek and Roman thought. Offered as demand warrants.
Prerequisite: Philosophy 204 or 206 or junior standing and permission of the instructor.

3 credit hours

303. Modern Philosophy: The 16th to the 19th Century
Discussion of the rise of individualism, subjectivism, and the modern scientific world view, with their revolutionary implications for contemporary interpretations

of self, world and responsible ethical, political, and cultural commitment. Offered as demand warrants.
Prerequisite: Philosophy 204 or 206 or junior standing and permission of instructor.
3 credit hours

304. Contemporary Philosophy
Exploration of some of the major philosophical movements in the 20th century, such as existentialism, pragmatism, phenomenology, logical positivism, linguistic analysis, and process philosophy. Offered as demand warrants.
Prerequisite: Philosophy 204 or 206 or junior standing and permission of instructor.
3 credit hours

326. Philosophy of Religion
Religious symbols and systems studied from a philosophical perspective. Among questions considered are the nature of religious language, approaches to religious truth, various conceptions of divinity, and whether humans are naturally religious. Offered as demand warrants.
Prerequisite: Philosophy 204 or 206 or a 200-level religion course.
3 credit hours

329. Modern Critiques of Religion
An exploration of the thought of atheistic and agnostic thinkers and some of the critiques, both sympathetic and hostile, of religious beliefs, attitudes and practices. Offered as demand warrants.
Prerequisite: a 200-level religion course.
3 credit hours

Physical Education

Associate Professor Perry, Ms. Stanley, Mr. Guillaume, Mr. Neddo, Ms. Schram, Mr. Wilks and Ms. Wood

The field of Health, Physical Education and Recreation (HPER) includes a wide range of course material and several majors are offered.

THE MAJOR IN PHYSICAL EDUCATION consists of 51 hours of HPER and related fields. Courses required in HPER are 102, 218, 221, 231, 237, 331, 332, 334, 341, 345, 351-352, and eight additional hours in activities courses. The activity courses must include at least one hour from each of six categories: aquatics, fitness, lifetime sports, gymnastics and tumbling, rhythmic activities, and educational games and traditional sports. Required related courses are Chemistry 117 and Biology 217 and 218.

The physical education major accommodates students planning careers as teachers in the field. Those seeking professional certification must complete, in addition to major requirements, a minimum of 26 hours in education and related courses. The required courses are Education 208, 218, 327-328, 332, 334, HPER 236, and Psychology 101. For certification in Tennessee, Education 329 is also required. These courses are described in the education section of this catalog.

The minor in physical education consists of HPER 102, 221 and nine hours above the 100-level.

THE MAJOR IN EXERCISE SCIENCE consists of 54 hours in HPER and related fields. Courses required in HPER are 101, 102, 237, 311, 332, 334, 341, 343, 345, 351-352, and two activity courses. Required related courses are Chemistry 117 and 119, Biology 217 and 218, Physics 101, and Mathematics 221. Strongly recommended are HPER 312 and Computer Science 121 or 123.

THE MAJOR IN ATHLETIC TRAINING consists of 46 hours in HPER and related fields. Courses required in HPER are 101, 102, 218, 237, 311, 312, 332, 334, 345, and 351-352. Required related courses are Chemistry 117 and 119, Biology 217 and 218, and Psychology 101.

THE MAJOR IN RECREATION is broad-based, but it gives special attention to outdoor recreation. A minimum of 45 hours is required. HPER courses to be completed are 102, 205, 221, 237, 331, 334, 335, 351-352, and eight activity courses. The activity courses must include lifesaving, canoeing, camping, dance and four other courses chosen from lifetime sports and educational games. Also required are Psychology 101 and 221, Management 302, and one course chosen from Art 103, 201, 202, 203, Speech-Theatre 211, 212, and Music 306.

101. Human Health and Development
A course designed to deepen understanding of holistic health, physical, mental, and emotional. Fundamentals of physical fitness are introduced, along with issues of human development from late adolescence through old age. Practical sessions in laboratory and gymnasium.

3 credit hours

102. Historical and Philosophical Foundations of Physical Education and Recreation
A study of the meaning of play, sport, fitness and leisure in the life and culture of man with emphasis on historical and philosophical foundations. Aims and objectives of various agencies and an overview of their programs are presented.

3 credit hours

205. Team Sports, Intramural Administration, Officiating Techniques
Rules, skill techniques, teaching progressions of selected team sports. Practical experience in programming and leadership of intramural activities. Study of officiating techniques, followed by field practice.

3 credit hours

218. Program Design and Methods of Teaching
Principles of curriculum development in physical education are studied with attention to more recent and innovative practices. Field experience included. Offered 1989-90 and alternate years.

2 credit hours

221. Physical Education and Recreation for Special Populations
Designed to provide basic understanding of various handicapping conditions. The course centers on characteristics of these handicaps, possible psychological ramifications, and appropriate physical education or recreation for each condition. Field experience included.

3 credit hours

231. Motor Development and Motor Learning
The study of locomotor and non-locomotor developmental sequences and learning theories that may enhance or limit physical performance. Offered 1988-89 and alternate years.

2 credit hours

233. Athletic Coaching
Examination and analysis of the coaching profession. Philosophical, psychological, social and financial aspects are considered, along with establishment of policies and programs. Field experience included. Offered 1988-89 and alternate years.

3 credit hours

236. School and Community Health
Study of the factors affecting community health. Consideration is given to the school health program, the healthful school environment, home and school safety, personal health, nutrition, drugs.

2 credit hours

237. First Aid, Cardiopulmonary Resuscitation, Safety Education
American Red Cross certification program in first aid and cardiopulmonary resuscitation. Safety education procedures are considered in relation to public schools and recreation settings.

2 credit hours

311. Athletic Training
An introduction to the care, prevention, treatment and rehabilitation of athletic injuries. Laboratory experience includes first aid, taping, bandaging and injury evaluation. Clinical work with both men's and women's intercollegiate teams is included.
Prerequisites/Corequisites: HPER 237 and Biology 217.

3 credit hours

312. Advanced Athletic Training
This course is designed for the student with plans to pursue a career in sports medicine. It will cover advanced techniques in first aid, therapeutic exercise and modalities, clinical evaluations, and ethical and legal responsibilities of an athletic trainer. Laboratory experience includes working the intercollegiate men's and women's athletic teams and work in a local sports medicine facility.
Prerequisite: HPER 311.

3 credit hours

331. Elementary Age Activities
Study of characteristics and needs of the elementary age child and the programs/activities suitable for them. Attention to developing leadership in appropriate play activities. Teaching opportunities with children of this age.
Prerequisite: Junior standing.

3 credit hours

332. Kinesiology
The study of human movement from anatomical and mechanical perspectives. Knowledge and methods of mechanics are applied to the structure and function of the living human system with special emphasis on joint and muscle function. Major topics include mechanics of muscloskeletal structure, biomechanical aspects of exercise, forces and human movement, and balance, equilibrium, and stability. Offered 1988-89 and alternate years.
Prerequisite: Biology 217.

3 credit hours

334. Administration and Supervision of Physical Education Programs
Study will focus on the role of management in physical education programs from kindergarten through the 12th grade. Offered 1989-90 and alternate years.

2 credit hours

335. Outdoor Recreation Leadership
The study of recreation leadership skills, activity, and safety specific to the out-of-doors. The historical background, legal issues, and environmental impact of outdoor recreational activities are considered; field experience is included. Offered 1989-90 and alternate years.

3 credit hours

341. Measurement and Evaluation in Physical Education
Study directed toward the use of basic statistical procedures and their application to the evaluation of programs in physical education, test construction, and professional research. Offered 1988-89 and alternate years.
Prerequisite: Math 120.

3 credit hours

342. Program Planning in Recreation
A study of the process of recreation programming in relation to the characteristics and needs of participants, available facilities, values of activities offered, evaluation techniques used. Offered 1989-90 and alternate years.
Prerequisite: Junior standing.

3 credit hours

343a,b,c. Practicum in Recreation
A field experience, with agencies involved in recreation and leisure programs, such as municipal recreation departments, YWCA-YMCA, summer camps, health spas, theme parks. If taken during the academic year, work may be spread over more than one term.
Prerequisite: Junior standing.

1, 2, or 3 credit hours,
not to exceed 6

345. Physiology of Exercise
A study of the functions of the major body systems during muscular work. Major topics covered include bioenergetics, structure and function of skeletal muscle, physiological aspects of fatigue, gaseous exchange and transport, hemodynamics, acid-base balance, and physical training. Laboratory investigations using various electrocardiographic and physiographic equipment. Offered 1989-90 and alternate years.
Prerequisite: Biololgy 217.

3 credit hours

351-352. Independent Study
Individual study, with the guidance of a faculty superviser, involving command of the forms and usages of the formal paper. Ordinarily taken in the spring term of the junior year and the fall term of the senior year.

6 credit hours

Activity Courses

The following courses are open as electives to all students, without regard to major field. Each course carries a value of one credit hour and may be

taken on an "S/U" basis. The Mountain Challenge course consists of five different Mountain Challenge experiences which may be completed in one semester or over a longer period of time. The program is supervised by the Mountain Challenge program director in the Life Enrichment Center.

Aquatics

106 Elementary Swimming
107 Intermediate Swimming
113 Advanced Life Saving
114 Canoeing

Dance

117 Folk, Square & Social Dance

Mountain Challenge

125 Mountain Challenge (see list on page 30)

Lifetime and Individual Sports

139 Aerobics
141 Archery
147 Bowling
153 Golf
154 Gymnastics and Tumbling
163 Raquetball
166 Tennis
168 Weight Training and Conditioning
172 Camping and Outdoor Education
174 Orienteering
191 Karate

Physical Therapy

THE MAJOR IN PHSYICAL THERAPY consists of a minimum of 54 hours in HPER, biology and related fields. Courses required in HPER are 221, 311, 332, 345, and Physical Therapy 343, 351-352. Courses required in Biology are 115, 217, 218, and 321 or 115, 217, 218, 221, and 361. Required related courses are Chemistry 121 and 122, Physics 101 and 102, and Mathematics 221. Not required but strongly recommended are HPER 312 and at least nine hours in psychology, especially courses 101, 211, 221, 301, and 331. Course descriptions for required courses can be found under listings for physical education, biology, chemistry, and other fields.

The major in physical therapy is a pre-professional program, designed for students interested in pursuing a career in that field. Completion of the program does not qualify the student to practice as a physical therapist. While the program does provide such instruction in essential areas and a

thorough introduction to the field, additional coursework and clinical experience not available at Maryville are necessary to qualify for certification.

343. Practicum in Physical Therapy.
Practical experience in a physical therapy facility of a nearby hospital, designed to familiarize the student with procedures and application of principles in a clinical setting. A minimum of 40 hours of clinical work (three to four hours a week) and a weekly conference are required during the term.
Prerequisites: Biology 217-218 and 221 or 321, HPER 311, 221, and 332.

2 credit hours

351-352. Independent Study in Physical Therapy
Individual study, with the guidance of a faculty superviser, involving command of the forms and usages of the formal paper. Ordinarily taken in the spring term of the junior year and the fall term of the senior year.

6 credit hours

Physics

The minor in physics consists of a minimum of 35 hours. Required courses are Physics 201, 202, 203, and 301. Mathematics 125, 225, 235, 236, and Physics 361 or a suitable section of Chemistry 451.

101. Physics for the Life Sciences I
An introduction to physics for students in the life sciences. Topics covered will include mechanics, fluids, heat, wave motion, and acoustics, with stress on application to the life sciences. Offered 1989-90 and alternate years.
Prerequisite: Mathematics 115 or the equivalent.

4 credit hours

102. Physics for the Life Sciences II
A continuation of Physics 101. Topics covered include electricity and magnetism, AC and DC circuits, use of electrical instrumentation, optics, and modern physics. Offered 1989-90 and alternate years. Prerequisite: Physics 101.

4 credit hours

201. Mechanics
A calculus-based introduction to physics for physical scientists and engineers. Among topics covered are the mechanics of particles, rigid bodies, and fluids.
Prerequisite: Mathematics 225.

4 credit hours

202. Electricity and Magnetism
An introduction to electricity and magnetism including electrostatics, magnetism, and DC and AC circuits.
Prerequisite: Physics 201.

4 credit hours

203. Wave, Optics and Modern Physics
Topics include vibrations, mechanical waves, electromagnetic waves, geometric and physical optics, and elementary modern physics.
Prerequisite: Physics 202.

4 credit hours

301. Intermediate Mechanics
Newtonian dynamics of particles and rigid bodies including viscous forces, linear and nonlinear oscillations, Lagrange's equations, planetary motion and collisions. Offered as demand warrants.
Prerequisite: Physics 201 and Mathematics 236.

4 credit hours

361. Contemporary Physics
This course is designed to acquaint the student with contemporary ideas and current research areas in physics. Topics include relativity, the wave-particle duality, quantum phenomena, atomic structure, nuclear structure and reactions, elementary particles, and solid-state physics.

4 credit hours

Political Science

Professor Kim, Associate Professor Howard

Political science is concerned with the analysis of political processes and institutions. The major in political science helps the student prepare for several fields of endeavor including law, public administration, diplomatic service, teaching, journalism and business.

THE MAJOR IN POLITICAL SCIENCE requires 48 hours in the principal and related fields. Required courses are Political Science 121, 122, 211, 212, 232, 306, 311 or 312, 321 or 322, 349, 351-352, Economics 201, Mathematics 221, Social Science 301, one course from Psychology 101, Sociology 101 and 211, and one course from either history or philosophy.

The minor in political science consists of 18 hours, including 121, 122, 211 or 212, 321 or 322, and six additional hours in political science.

121.Contemporary Political Issues
Attention to major political issues of the day. Emphasis on learning how to think about politics. Consideration given to the origins, consequences, and possible solutions of the problems under consideration.

3 credit hours

122. American Government and Politics
Introduction to the government and politics of the American national political system. Attention is given to the historical and philosophical setting, the formal governmental structure, and the behavioral bases of the American polity.

3 credit hours

211. Comparative Government and Politics
Study of political systems of selected countries. Illustration of major polity types, such as Western and non-Western, democratic and authoritarian, developed and less-developed. Examinations of political cultures, institutions, processes, and current political problems. Offered 1988-89 and alternate years.

3 credit hours

212. International Politics
Study of the scope and methods of international politics. Emphasis on the underlying principles governing international relations and the major techniques for the implementation of foreign policies. Offered 1989-90 and alternate years.

3 credit hours

232. Public Policy
Consideration of social, cultural, historical, political, behavioral, and structural aspects of the public policy process. Particular attention is given to the character of decision-making. Offered 1989-90 and alternate years.
Prerequisite: Sophomore standing.

3 credit hours

306. Political Philosophy
Thematic and/or chronological consideration of perennial issues in political science, such as liberty, justice, political obligation, and political authority. Philosophical approaches to the understanding of politics are also examined. Offered 1988-89 and alternate years.
Prerequisite: Political Science 121 or 122 or permission of the instructor.

3 credit hours

311. Government and Politics of East Asia
Comparative study of political background and governmental systems of China, Japan, and Korea with emphasis on traditional and contemporary political behavior, ideas, and institutions. Offered 1989-90 and alternate years.
Prerequisite: Political Science 211, Asian Studies 320, or permission of the instructor.

3 credit hours

312. Comparative Foreign Policy
Comparative analysis of foreign policy processes and issues of selected nation-states. Attention to the influence of foreign policies on contemporary international politics. Offered 1988-89 and alternate years.
Prerequisite: Political Science 212 or permission of the instructor.

3 credit hours

321. American Political Process
American political and governmental institutions and processes: public opinion, interest groups, political parties, Congress, and the presidency. Offered 1988-89 and alternate years.
Prerequisite: Political Science 122 or permission of the instructor.

3 credit hours

322. The Judicial Process
Consideration of the role of the federal judiciary in the American political process. Approaches include case laws and social science research. Topics covered include political power of the judiciary, judicial recruitment, scope of government power, and civil liberties. Offered 1989-90 and alternate years.
Prerequisite: Political Science 122 or permission of the instructor.

3 credit hours

349. Selected Topics in Political Science
Examination of topics in political science. Topics vary depending on interests of faculty and student. Offered 1988-89 and alternate years.
Prerequisite: Six hours in political science or permission of the instructor.

3 credit hours

351-352. Independent Study
Individual study under the guidance of a faculty superviser, involving command of the forms and usages of the formal paper.

6 credit hours

Psychology

Professor Waters, Assistant Professors Jacob, Phillips, and Keith, Mr. Guillaume

THE MAJOR IN PSYCHOLOGY prepares the student for graduate school in the chosen subfield. For students who do not plan to go beyond the B.A. degree, the psychology curriculum would be useful preparation for any vocation where interpersonal contact is important. The psychology major consists of 49 credit hours with 35 hours in major courses and 14 hours in related areas. Required are 101, 312, 313, 344, 351-352, and 15 additional hours. The 14 hours in related courses include Biology 115, Chemistry 117, Mathematics 221, and one course chosen from Sociology 101 or 211. Students interested in graduate study in psychology are encouraged to take French, German, or Spanish.

Students who choose for elective credit the practicum series Psychology 343a, b and c must complete the prerequisites(Psychology 101 and 211) during the sophomore and junior years. They may begin the practicum series in the junior year. Each practicum may involve three to 10 hours experience per week with commensurate academic credit of one, two or three hours; however, total credit for all practicum experience cannot exceed six hours.

A minor in psychology consists of 101, 313, and three other psychology courses which count toward the major and Mathematics 221.

THE MAJOR IN CHILD DEVELOPMENT consists of 45 credit hours with 28 hours in major courses and 17 hours in related areas. Required are 101, 211, 218, 312, 334, 351-352, and six additional hours. The 17 hours in related courses include Biology 115, Chemistry 117, English 208, Math 221, and Sociology 101, 211, or 215. The major in child development is designed for students who plan to work with children or enter a graduate program in child development.

101. Introductory Psychology
Fundamental principles of human behavior. Attention to the aims and methods of psychology, maturation and development, motivation, emotion, learning, perception, personality, and behavior disorders.

3 credit hours

211. Child Development
Growth and development of the child from birth to maturity. Physical, intellectual, social, and emotional aspects of growth are considered as they relate to various stages of maturity.
Prerequisite: Psychology 101.

3 credit hours

218. Educational Psychology
Consideration of the principles of learning and cognitive theories and their application in the classroom. Consideration of educational testing and measurement and the interpretation of educational and psychological data.
Prerequisites: Psychology 101 and Mathematics 120.

3 credit hours

221. Social Psychology
The study of interactions of individuals in social situations. Attitudes, values, beliefs, perceptions, conformity, power, and leadership are among the topics studied.
Prerequisite: Psychology 101.

3 credit hours

301. Theories of Personality
An examination of the major theoretical approaches to personality. The course seeks to provide an understanding of the role of personality theory and research in the field of psychology.
Prerequisite: Psychology 101.

3 credit hours

307. Psychological Aspects of Deafness
A study of the psychological effects of deafness including the emotional development of the hearing-impaired child. The acquisition and use of language is emphasized in the course. Not to be counted toward a major in psychology. Offered 1988-89 and alternate years.

3 credit hours

312. Experimental Psychology
Methodological approach with a procedural orientation to psychological investigation. Although the course concentrates on methodology, attention is directed to such content areas as structure and function of the nervous system, sensation, perception and emotion. Laboratory practice.
Prerequisites: Psychology 101 and Mathematics 221.

4 credit hours

313. Psychology of Learning
The basis principles and theories of learning. Special emphasis is given to empiric laws and controlled studies which illustrate these laws. Laboratory practice.
Prerequisites: Psychology 101, Mathematics 221.

4 credit hours

331. Abnormal Psychology
A psychological approach to the causes, symptoms, treatment, and prevention of behavioral disorders.
Prerequisite: Psychology 101.

3 credit hours

333. Counseling
Study of counseling techniques in such settings as school, industry, and the clinic. Special emphasis on self-management procedures and interviewing. Offered 1989-90 and alternate years.
Prerequisite: Psychology 101.

3 credit hours

334. Exceptional Children
A course designed to examine different categories of exceptionality, including children with special abilities as well as disabilities. Offers opportunities to develop skills in diagnosis, curriculum development, methods, and materials needed with exceptional children. Practical experience with exceptional children is included.
Prerequisite: Psychology 101, 211, or Education 218.

3 credit hours

343a,b,c. Practicum in Psychological Services
Supervised practical experience during the senior year (or beginning late in the junior year) with the Learning Center on campus or with some other agency offering psychological services in the local area. Not to be counted toward a major in psychology.
Prerequisites: Psychology 101, 211, 331, 334; Education 218, or permission of instructor.

1, 2, or 3 credit hours, not to exceed 6

344. Psychophysiology
Study of the anatomical and physiological structures which relate to psychological experience and behavior. Neurophysiology, particularly in regard to the chemistry of synaptic transmission, is emphasized. Offered in 1988-89 and alternate years.
Prerequisite: Biology 115 or Chemistry 117.

3 credit hours

349. Seminar: Selected Topics in Psychology
Course content varies from year to year. Previous Topics include Psycholinguistics and Deafness, Aging and Dying, Existential-Phenomenological Alternatives, and Adolescent Development.
Prerequisite: Junior or senior standing.

3 credit hours

351-352. Independent Study
Individual study with the guidance of a faculty superviser involving the laboratory or a field research problem and a scientific paper reporting the results.

Recreation

THE MAJOR IN RECREATION consists of 45 hours in Health, Physical Education and Recreation, and related fields. Major requirements and course descriptions can be found under the listings for physical education.

Religion

Professor Cartlidge, Assistant Professor Hewitt

The academic study of religion focuses on questions that have long been regarded as fundamental to human existence. Religious expression takes many forms, and religious study includes consideration of literature and other arts, social institutions, and historical settings as well as cross-cultural comparisons.

THE MAJOR IN RELIGION consists of 39 hours in religion and related areas. Required courses are Religion 212, 230, 240, 325, 349 and 351-352, and two courses chosen from Religion 326,328,346 and 348. Required related courses are Sociology 101 or Social Science 220, Philosophy 326 and two additional courses in Philosophy, one at the 300-level. It is strongly recommended that a major in religion include either Greek or Latin 110-120 or two years in a modern language.

The minor in religion consists of 18 hours in religion, including two courses from 325, 326, 328 and one course in the 340 series.

111. The American Religous Experience
An introduction to religious studies employing the American religious experience as its model.

3 credit hours

142. Primer in Biblical Studies
An introduction to biblical studies through a designated portion of the Bible, e.g., the letters of Paul, the prophets of the Old Testament, the Gospels.

3 credit hours

212. World Religions
Religion as a universal human phenomenon. Among the religious traditions considdered are Islam, Judaism, Hinduism, Taoism, Buddhism and Christianity, as well as some primitive religions. Multiple sections of the course are offered; different sections emphasize different traditions.

3 credit hours

230. The Old Testament World and Culture
The religion of Israel as it developed in concert with and rivalry with its Ancient Near Eastern neighbors.

3 credit hours

240. The New Testament World and Culture
The development and growth of the early church's thought and community during the first two centuries C.E. The course pays particular attention to Christianity as a religion of the Greco-Roman world.

3 credit hours

244. The Search for Peace in Religious Traditions
A study of the various concepts of peace and approaches to conflict resolution in world religions. The course centers on the question, "Are the world's religious traditions appropriate forums within which to discuss world peace?" Offered as demand warrants.

3 credit hours

325. Sociology of Religion
A study of religion and the social order. Religion as an integral part of human culture, the building of a sacred cosmos. Religion and social organization, civil religion, secularization, religon and social change, cross-cultural comparisons. Offered 1989-90 and alternate years.
Prerequisite: Sociology 101 or Social Science 220.

3 credit hours

326. Contemporary Theology
An examination of 20th century Christian thought, with special emphasis on current issues, approaches and major thinkers. Attention is given to the social, political, and historical context of contemporary theology. Offered in 1988-89 and alternate years.
Prerequisite: A 100 or 200-level religion course, junior standing, or permission of the instructor.

3 credit hours

328. Religous Symbol and Art Symbol
An introduction to the phenomenology of religion through an exploration of the human aesthetic and religious experience; myth and ritual in art and religion. Offered as demand warrants.

Prerequisite: A 100 or 200-level religion course, Fine Arts 210, or permission of the instructor.

3 credit hours

346. Explorations in the History of Christian Thought
Topics will vary. An examination of a theological theme, an historical period, or specific theologians in the Christian theological tradition. Offered as demand warrants.
Prerequisite: A 100 or 200-level religion course or permission of the instructor.

3 credit hours

348. Explorations in the History of Religions
Topics will vary. An examination of one or more of the world's religious traditions or a comparative study of a theme or themes in several traditions. Offered as demand warrants.
Prerequisite: Religion 212 or permission of the instructor.

3 credit hours

349. Seminar in Religious Studies
The topics of this course center on cross-disciplinary studies, e.g., Religious Themes in the Modern Novel, Religious Revolt and Political Oppression, The Politics of Violence and Alternatives in Religous Traditions, and Poetic and Narrative Criticism of the Biblical Literature. Topics may be chosen in response to student request. May be repeated for credit. Offered as demand warrants.
Prerequisite: At least one course in religion.

3 credit hours

351-352. Independent Study
Commonly a research project resulting in a thesis or substantial essay, but other types of work, such as the writing and performance of religious music or the writing and production of religious drama, are also acceptable.

6 credit hours

Sign Language Interpretation

Professor Waters, Ms. Sandefur-Yates, Ms. Griffin

The major in sign language interpretation is designed to prepare students for work with hearing-impaired persons in a variety of situations. While American Sign Language serves as a foundation, all other modes of communication used by the deaf community are introduced as well. Audio-visual materials are accessible for individual study of a broad cross-section of communication methods. Interactions with hearing-impaired persons and regular practice using videotaping equipment are principal means for the development of skills.

THE MAJOR IN SIGN LANGUAGE INTERPRETATION offers two tracks. Track I is for students wishing to become professional interpreters. It consists of 56 hours, including 41 hours in major courses and 15 hours in related courses. Major courses are 101, 102, 201, 202, 205, 301, 302, 303, 306, 321, 337-338-339, and 351-352. Related courses are Psychology 101, 307, 331, Management 302, and Sociology 211 or 215. A supervised internship in an approved off-campus agency is an essential part of the major program.

Track II is intended for those desiring communications skills for use in counseling, social work, teaching, or other service fields. Track II requires 42 hours, including 30 hours in major courses and 12 hours in related courses. The major courses are 101, 102, 201, 202, 205, 301, 302, 306, 343, and 351-352. Required related courses are Psychology 101, 307, 331, and Sociology 211. Additional courses recommended are Psychology 211, Sociology 215 and Management 302.

A minor in American Sign Language requires 18 credit hours consisting of the following courses: 101, 102, 201, 202, 306, and Psychology 307.

101. Sign Language Studies
A survey course introducing sign language and gestural systems used by the deaf community. Topics considered include the history of sign language, cultural factors influencing the language, and structural differences in sign systems. Laboratories provide experience in signing and distinguishing the various sign systems.
3 credit hours

102. American Sign Language I
An introduction to the basic grammatical structure and vocabulary of American Sign Language and to the visual and conceptual skills necessary for communication.
Prerequisite: American Sign Language 101.
3 credit hours

201. American Sign Language II
Further study of the grammatical structure and vocabulary of American Sign Language and the expansion of vocabulary for the production of language in various social situations.
Prerequisite: American Sign Language 102 or permission of the instructor.
3 credit hours

202. American Sign Language III
Development of conversational fluency. Laboratory classes are used to expand expressive and receptive skills. Prerequisite: American Sign Language 201.
3 credit hours

205. Fingerspelling and English Sign Systems
Instruction in fingerspelling and a study of various English Signed Systems. Laboratories/classes provide experience for both expressive and receptive skills in fingerspelling and various English Signed Systems.
Prerequisite: American Sign Language 202 or permission of the instructor.
2 credit hours

301. Introduction to Interpreting
A survey of the major areas of the interpreting profession, the code of ethics, and interpreting techniques. Introduction to the interpretive process from spoken English to American Sign Language and sign to voice (interpreting from American Sign Language to English).
Prerequisite: American Sign Language 202 or permission of the instructor.
2 credit hours

302-303. Applied Interpreting I and II
The first course emphasizes development of interpretive techniques and skills through the interpretation of passages from audio cassettes. The second course focuses on transliteration skills and speed of delivery. Audio and video tapes are

used, along with other equipment, for the development of both expressive and receptive skills.
Prerequisite: Interpreting 301.

Each course 2 credit hours

306. Introduction to Audiology
Attention to the anatomical features of the ear and the physiology of hearing. Special attention is given to various types of auditory pathology, etiologies, and habilitation. Audiometric testing procedures are reviewed, with students obtaining a practical experience in auditory evaluation. Offered 1989-90 and alternate years.

3 credit hours

321. Comparative Interpreting
Specialized areas of interpreting covered include legal, medical/mental health, deaf-blind, oral, and educational. Attention is given to the vocabulary peculiar to each area, through the use of guest lecturers, taped materials and visits to off-campus sites. Offered 1989-90 and alternate years.
Prerequisite: Junior standing.

3 credit hours

337-338-339. Internship
A practical experience in an approved facility under the supervision of an interpreter certified by the National Registry of Interpreters for the Deaf or other appropriate professional.
Prerequisite: Interpreting 303.

9 credit hours

343. Practicum
Practical experience in a professional environment with supervision by an agency staff person approved by department faculty. Available only to majors in Track II.

3 credit hours

349. Seminar
Selected topics in deafness/interpreting. Offered as demand warrants.

3 credit hours

351-352. Independent Study
Individual study, with the guidance of a faculty superviser, involving command of the forms and usages of the formal paper.

6 credit hours

Social Sciences: Interdisciplinary Courses

301. Social Sciences Research Methods
The philosophy and methodology of the social sciences. Emphasis is on the philosophical underpinnings, basic research design, forms of data gathering and the analysis, presentation, and interpretation of data. Individual students research projects related to various social science disciplines. Offered 1988-89 and alternate years.
Prerequisite: Mathematics 120 and junior standing.

3 credit hours

303. Cultural Geography
A study of the relationship between culture and the physical environment. Cultural

attitudes toward nature, the transformation of natural into cultural landscapes, invention and the diffusion of culture, demography and settlement patterns, modernization and development, culture areas. Offered 1988-89 and alternate years.
Prerequisite: At least sophomore standing.

3 credit hours

Sociology

Professor Boldon, Assistant Professor Phillips, Dr. Neal, Ms. Bidwell

Sociology deals with social relationships, the structure of society, and the variety of human cultures. The minor in sociology provides a useful supplement to majors in a variety of academic fields.

The minor in sociology consists of a minimum of 15 credit hours, including 12 hours above the 100 level. The minor must include Sociology 101 or 211 or both; additional hours may be drawn from 102, 215, 305, 325, 349, Psychology 221 and Social Science 301.

101. Introductory Sociology
Study of the fundamental structure and dynamics of human societies and the basic principles and concepts used in sociology.

3 credit hours

102. Social Problems
Analysis of several social problems in the United States and other societies. Emphasis on population, inequality, intergroup conflict, deviance. Other topics approached through individual student research. Offered 1989-90 and alternate years.

3 credit hours

211. Cultural Anthropology
An application of the concept of culture to various societies, from primitive to modern. Cross-cultural analysis of various institutions. Extensive use of ethnographies.

3 credit hours

215. Sociology of Marriage and Family
A study of selected aspects of family structure and functions. Mate selection, family organization, sex roles, family breakdown, variant family forms, and demographic change. Analysis of the American family and comparative study drawing on other cultures. Offered 1988-89 and alternate years.

3 credit hours

222. Sociology of Appalachian Culture
The character and development of southern Appalachian culture, its transmission through arts and crafts, music and dance, language, education, and social institutions. Cultural adaptation and change. Experiential learning emphasis with required fieldwork. Offered 1989-90 and alternate years.

3 credit hours

305. Organizational Behavior
Analysis of complex organizations and bureaucracy. The goals, design, internal structure, and environmental relations of organizations. The problems of groups

and individuals who are increasingly embedded in and shaped by impersonal, large-scale organizations.
Prerequisites: Sociology 101 and Management 302.

3 credit hours

325. Sociology of Religion
A study of religion and the social order. Religion as an integral part of human culture, the building of a sacred cosmos. Religion and social organization, civil religion, secularization, religion and social change, cross-cultural comparisons. Offered 1989-90 and alternate years.
Prerequisite: Sociology 101 or Social Science 220.

3 credit hours

349. Selected Topics in Sociology and Anthropology
Selected topics in sociology or anthropology. Topics vary depending on interests of faculty and students. May be repeated for credit. Offered as demand warrants.
Prerequisite: At least one course in sociology.

3 credit hours

Spanish

Assistant Professor Perez-Reilly, Ms. Juni

THE MAJOR IN SPANISH consists of 42 hours beyond first year Spanish (110-120). Required courses include 201, 202, 225, 349 and 351-352 to be taken at Maryville College. An additional 24 hours must be completed during a junior year abroad in conjunction with Alma College's program at the Interamerican University in Mexico City or with the program of Central College of Iowa at the University of Granada, Spain. The courses taken during the junior year abroad consist of three hours in culture and civilization and nine hours in grammar, composition, phonology and corrective diction and twelve hours in literature.

A second track in the Spanish major leads to teacher certification for the teaching of Spanish in secondary schools. The teaching track requires 39 hours beyond first year Spanish. Required courses include 201, 202, 225, and 351-352 to be taken at Maryville College. As in the first track, 24 additional hours must be completed during a junior year abroad. Beyond the major, the following courses are needed for teacher certification: Education 208, 218, 327, 328, 329, 332, 334, and Psychology 101.

Information on the junior year abroad is available from the Spanish faculty.

110. Elementary Spanish I
An introduction to Spanish emphasizing use of the spoken language. Attention is given to pronunciation and speech patterns, the development of a working vocabulary, and the framing of simple sentences. Class meetings are supplemented by drill sessions with native speakers.

4 credit hours

120. Elementary Spanish II
A sequel to Spanish 110, designed to increase facility in speaking, improve aural comprehension, and expand vocabulary. Correct usage and confidence-building are stressed in class and drill sessions. Class meetings are supplemented by drill sessions with native speakers.

3 credit hours

201-202. Intermediate Spanish I and II
An introduction to Spanish literature through the reading of selected works from various genres, with attention to the reinforcement of basic skills and expansion of vocabulary.
Prerequisite: Spanish 120 or equivalent.

3 credit hours each course

225. Intermediate Conversation and Grammar
A review of Spanish grammar, with attention to more advanced grammatical constructions and idioms. Designed to further develop basic conversational skills acquired during the first year. Required for all students planning to study in Spain or Mexico during the junior year.
Prerequisite: Spanish 110-120.

3 credit hours

301. Spanish Peninsular Literature
A study of major authors and literary currents of Spain since the Middle Ages, but with emphasis on the 20th century. Attention will be given to such authors as Baroja, Jimenez, Lorca, Cela, Buero Vallejo, and Matute. Offered as demand warrants.
Prerequisite: Spanish 202 or the equivalent.

3 credit hours

302. Spanish American Literature
An examination of major authors and literary currents of Spanish America since colonial times, with emphasis on such 20th century authors as Quiroga, Barrios, Gallegos, Mistral, Borges, Neruda, and Garcia Marquez. Offered as demand warrants.
Prerequisite: Spanish 202 or equivalent.

3 credit hours

311. Spanish for Future Careers
A course designed for students who expect to use Spanish in their careers. It includes the study of customs and social patterns as well as the writing of letters and the building of specialized vocabularies. The needs and interests of individual students largely determine the areas of emphasis. Offered as demand warrants.
Prerequisite: Spanish 202 or the equivalent.

3 credit hours

349. Selected Topics in Spanish
Concentrated study on a selected topic in Spanish literature, language, culture, or civilization. The topics, which vary from year to year according to the interests of the students, will include, among others, the Spanish short story, the history of Spain, the picaresque novel, and Spain in America. Offered as demand warrants.
Prerequisite: Spanish 202 or the equivalent.

3 credit hours

351-352. Independent Study
Individual study under the guidance of a faculty superviser, involving command of the forms and usages of the formal paper.

6 credit hours

Speech-Theatre

Mr. Bradley, Ms. Campbell

THE MAJOR IN SPEECH-THEATRE consists of 37 hours in literature and speech-theatre, including English 214, 270, 311, 332, 346, 351-352, Speech-Theatre 312-313, six hours of production credit, and one of the following: Speech-Theatre 211, 212 or 311. Related required courses are three to be chosen from History 111, 112, 211, 212.

The minor in Speech-Theatre requires the completion of 15 hours, including Theatre 312 or 313, English 332 or 346 and four hours of production credit, with the remainder of the courses to be chosen from the courses in theatre listed below. The theatre minor is not open to those with individualized majors that include Theatre.

201. Basic Public Speaking
A course designed to develop skills in extemporaneous speaking and parliamentary procedure. The student is expected to master the basic skills of research, organization, rehearsal, and delivery as they pertain to oral communication within a group structure.
Prerequisite: English 130.

3 credit hours

202. Advanced Public Speaking and Debate
The course concentrates on the enhancement of speaking ability and the development of personal style. The principles of debate are also considered, and practical experience is acquired, using the national topic for intercollegiate debate. Offered as demand warrants.
Prerequisite: Speech 201 or permission of the instructor.

3 credit hours

203. Oral Interpretation of Literature
Practice in selecting and adapting written material for oral presentation. Students prepare readings which they present for evaluation as well as scripts for Readers' Theatre and Chamber Theatre presentation. Offered 1989-90 and alternate years.
Prerequisite: Sophomore standing.

3 credit hours

211. Stagecraft
An introduction to six elements of stagecraft: (a) set design and construction, (b) lighting design and construction, (c) costume design and construction, (d) make-up (e) theatre management, (f) stage management. Students choose two of the elements for special concentration during the term.

3 credit hours

212. Acting
A study of acting methods and terminology. Students complete assigned readings, perform dramatic scenes for evaluation, and participate in an end-of-term public performance.

3 credit hours

311. Directing
A study of the methodology and terminology of stage directing, with practical experience in planning and executing a stage production.

3 credit hours

312. History and Literature of Western Theatre I
A combination lecture, reading and discussion course which traces the evolution of Western theatre from Dionysian ritual in ancient Athens to 17th century France. Theatre architecture and organization, works of dramatic literature, and theoretical treatises on performance will be studied in relation to the social and intellectual history of each major era. Specific attention will be paid to fifth century Athens, ancient Rome, Elizabethan England, the Italian Renaissance, and French Neoclassicism.

3 credit hours

313. History and Literature of Western Theatre II
A continuation of Speech-Theatre 312. Specific attention will be paid to the English Restoration, German Romanticism, the emergence of the middle-class theatre, realism, the 20th century avant-garde, and post-modernism. The class will read and discuss plays from each period.

3 credit hours

349. Selected Topics in Theatre
An advanced course designed as a second level of study in acting, directing, or stagecraft. Offered 1989-90 and alternate years.
Prerequisite: Permission of the instructor.

3 credit hours

351-352. Independent Study
Individual study, with the guidance of a faculty superviser, on a topic that will provide experience in intensive research and the preparation of a formal paper. The study is usually begun in the last term of the junior year and completed in the first term of the senior year.
Prerequisite: Completion of a minimum of four courses in the major.

6 credit hours

Production Credit
Course credit of one to two hours per play is available to students who participate as actors or technicians in faculty-directed main stage productions. Credit allotments are set by the faculty director. No more than eight credit hours may be earned.

Sports Fitness Management

THE MAJOR IN SPORTS FITNESS MANAGEMENT consists of 50 hours in P.E., social science, and related fields. Courses required in P.E. are 102, 332, 341, and 345. Courses required in Social Science are Sociology 101, Economics 201, Management 215, 302, 305, 333, 404, and Sports Management 351-352. Required related courses are Chemistry 117 and Biology 217 and 218. Strongly recommended are Sports Management 343 (Practicum) and P.E. 237 or First Aid/CPR certification.

Course descriptions can be found under the listings for physical education, management, and other fields.

Biology 217: Anatomy and Physiology I
Biology 218: Anatomy and Physiology II
Chemistry 117: Fundamentals of Chemistry
Economics 201: Principles of Economics
P.E. 102: Historical and Philosophical Foundations of Physical Education and Recreation

P.E. 237: First Aid, CPR, Safety Education
P.E. 332: Kinesiology
P.E. 341: Measurement and Evaluation in Physical Education
P.E. 345: Physiology of Exercise
Management 215: Principles of Accounting I
Management 302: Principles of Management
Management 305: Organizational Behavior
Management 333: Human Resources Management
Management 404: Case Studies in Management
Sociology 101: Introductory Sociology
Sports Fitness Management 343: Practicum
Sports Fitness Management 351-352: Independent Study

Sports Management

THE MAJOR IN SPORTS MANAGEMENT consists of 45 hours in P.E. and social sciences. Courses required in P.E. are 101, 102, 205, 335, and 342. Courses required in Social Science are Sociology 101, Economics 201, Business 342, Management 215, 302, 305, 333, 404, and Sports Management 351-352. Strongly recommended are Sports Management 343 (Practicum) and P.E. 237 or First Aid/CPR certification.

Course descriptions can be found under the listing for physical education, management, and other fields.

Business 342: Marketing
Economics 210: Principles of Economics
P.E. 101: Human Health and Development
P.E. 102: Historical and Philosophical Foundations of Physical Education and Recreation
P.E. 205: Team Sports, Intramural Administration and Officiating Techniques
P.E. 335: Outdoor Recreation Leadership
P.E. 342: Program Planning in Recreation
Management 215: Principles of Accounting I
Management 302: Principles of Management
Management 305: Organizational Behavior
Management 333: Human Resources Management
Management 404: Case Studies in Management
Sociology 101: Introductory Sociology
Sports Management 343: Practicum
Sports Management 351-352: Independent Study

Writing/Communication

THE MAJOR IN WRITING requires 39 hours in English above the 130-level and six hours in related courses. The courses in English will include 214, 311, 337, and two of the following: English 217, 218, 219. English 337 is an off-campus internship in journalism, publishing, technical writing, or related areas. The internship may be extended up to nine hours; the additional hours do not count toward the basic requirements for the major. Six hours of related courses are to be chosen from History 111, 112, 211, 212. Course descriptions can be found under the listings for English.

The Bachelor of Music Degree

The Bachelor of Music is a professional degree, intended for students who plan to pursue a career in some aspect of music. It differs from the Bachelor of Arts degree in its general education core requirements and the extent of specialization. As a professional degree, it affords more extensive study in the major field. The College offers major programs in performance, church music, and music education.

General Education Requirement

The general education requirement consists of 43 credit hours. Students must satisfy requirements in the following areas, either by passing the courses or demonstrating proficiency.

English 130
Inquiry 110
Foreign Language 110 and 120
Natural Science 150
~~Fine Arts 210~~ not required
Mathematics 120
History 180 or 190
Religion 230 or 240
English 270
Social Science 220
African Studies 310 or Asian Studies 320
Humanities 390

Course descriptions are to be found in the Bachelor of Arts section of this catalog.

The Major Programs

Three major programs are offered. All of the programs include preparation in theory, solfege and dictation, and eurhythmics, and all require knowledge of music history and styles. Private applied lessons are a part of each major, as is sustained participation in a musical ensemble. Beyond these common elements, students take specialized courses appropriate to each major.

Before acceptance into the upper levels of any of the programs in music, students must demonstrate proficiency in basic keyboard skills. Those who lack this preparation upon entering must complete whatever non-credit courses are needed to provide this essential background.

Church Music

THE MAJOR IN CHURCH MUSIC consists of 80 credit hours, including 48 hours in music courses, 21 hours in applied music, eight hours in ensemble participation, and three hours in related fields. Courses in music are 101, 102, 121-122, 201, 202, 211, 212, 221, 222, 301-304, 305, 321, 343, and 351-352.

The 21 credit hours in applied music are earned in organ and voice, with 18 hours in one instrument and three hours in the other. At least

four of the eight hours in ensemble participation must be earned in choir. A half recital is required. Religion 328 is a required related course.

Music Education

THE MAJOR IN MUSIC EDUCATION has two different courses of study. The first leads toward certification in the vocal/general area and requires 82 credit hours. The second leads toward instrumental certification and requires 88 credit hours.

Both programs require 39 hours consisting of the following music courses: 101, 102, 121-122, 201, 202, 211, 212, 221, 222, 302-304, 321, and 351-352.

Courses leading toward vocal/general certification are eight hours of voice (four hours of voice and four hours of keyboard may be substituted), eight hours of choir, and Music 307, 308, 401, and 402 in the vocal and choral area.

Courses leading toward instrumental certification are eight hours of one wind, string or percussion instrument, eight hours of wind ensemble or orchestra, Music 225, 226, 227, 325, 326, 327, 307 and 308, 401 and 402 in the instrumental area.

Courses required to prepare for teaching are Education 208, 218, 327, 328, 331-332 (three hours in each course), and Psychology 101. If certification in Tennessee is desired, Education 329 and 334 and Natural Science 250 must be taken as well. Presentation of a half recital is encouraged.

Performance

THE MAJOR IN PERFORMANCE consists of a total of 81 credit hours with at least eight hours in ensemble participation. Required courses are 101, 102, 121-122, 201, 202, 211, 212, 221, 222, 301-304, 308, 351-352, and 401-402. Twenty-four credits in applied music are also required, including a half recital in the junior year and a full recital in the senior year. The remaining six hours in music may be earned in courses, lessons, ensemble participation, or a combination of these.

099. Piano Fundamentals
Instruction in basic musicianship and keyboard technique to enable students to develop the skills necessary to pass the piano proficiency examinations. A developmental course for which college credit is not given.

101. Basic Structures of Music and Elementary Counterpoint
The aural and visual comprehension of musical elements and their application. Fundamentals, basic melody, decorative pitches, developmental processes in melody writing, voices in combination, and chord structure. Open to non-music majors.

3 credit hours

102. Intermediate Part-Writing
Four-voice homophonic texture, functional chords and dominant seventh, inversions, two- and three-part form, secondary dominants, and modulation.
Prerequisite: Music 101.

3 credit hours

111. Introduction to Electronic Music
An introduction to the world of electronic music which is a part of many contemporary musical idioms. The course includes opportunities for the creation of music on synthesizers in combination with computers. Two class meetings and one required hour in the electronic music laboratory each week.

2 credit hours

121. Eurhythmics I
The experience and study of musical concepts and materials by means of body movement, based on the premise that music is an art that utilizes time, space, and energy in its production. Subjects will include beat, meter, tempo, rhythmic patterns, body technique, augmentation-diminution, complementary rhythms, syncopation, coordination, quick reaction, and memory.

1 credit hour

122. Eurhythmics II
Continuation of Eurhythmics I. Subjects will include dynamics and dynamic accent, the phrase, polyrhythms, uneven beats, two- and three-voiced canon, improvisation, and polymetrics.
Prerequisite: Music 121.

1 credit hour

201. Advanced Counterpoint
Study of nondominant sevenths, embellishing diminished chords, Neapolitan and augmented sixth chords, invention, and fugue.

3 credit hours

202. Advanced Harmony
Consideration of chorale prelude, variation, and sonata-allegro forms; ninth, eleventh, and thirteenth chords; foreign modulation; 20th-century melody, harmony, and tonality; atonality and serialism.

3 credit hours

211. Solfege and Dictation I
Practice of rhythmic exercises sung to the syllables of solmization (fixed do) which trains the student in the inner hearing of musical notation and sight singing. Subjects will include singing and recognition of all major, minor and perfect intervals; rhythmic exercises in simple time; dictation of one-voice melodic line; development of reliable relative pitch.

2 credit hours

212. Solfege and Dictation II
Continuation of Music 211. Rhythmic exercises in compound time, singing and recognition of major and minor triads and their inversions, 7th chords and inversions, two-voiced dictation, and sight-singing from traditional and contemporary literature.
Prerequisite: Music 211.

2 credit hours

221. Orchestration and Conducting I
Aural and visual examination of writing techniques for string, woodwind, brass, and percussion instruments from 1700 to the present with practice of basic conducting patterns and rehearsal techniques. Transcribing simple piano music for small ensemble with practicum in rehearsing/ conducting those transcribed works.
Prerequisite: Music 102.

2 credit hours

222. Orchestration and Conducting II
Examination of scoring for combined sections, less frequently used instruments, and the human voice as an orchestra timbre. Advanced score reading and conducting techniques, with transcription and conducting practice of hymns and additional keyboard works.
Prerequisite: Music 221.

2 credit hours

225. String Methods I
Study of basic violin and viola technique including posture, note reading, and teaching methods through the second-year elementary strings class. Offered 1989-90 and alternate years.

1 credit hour

226. String Methods II
Study of basic cello and bass technique including posture, note reading, and teaching methods through second-year elementary strings class. Offered 1989-90 and alternate years.
Prerequisite: Music 225.

1 credit hour

227. Brass Methods
An introduction to the entire brass instrument family. Emphasis is placed on elementary performing ability on trumpet, trombone, baritone, and French horn. Offered 1989-90 and alternate years.

1 credit hour

301. Music History and Styles: Antiquity through the 16th Century
A study of the origins of music, its direction of development in Eastern and Western Asia and Africa, and its historical development in Europe to the 16th century. Emphasis is placed on the study of musical trends and styles through listening as well as analysis. Bibliography and independent research are included. Offered 1989-90 and alternate years.

3 credit hours

302. Music History and Styles: 17th and 18th Centuries
A study of European music from Monteverdi to Haydn and Mozart. Emphasis is placed on listening and analysis of scores of the leading composers of these centuries. Bibliography and independent research are included. Offered 1988-89 and alternate years.
Prerequisite: Music 102.

3 credit hours

303. Music History and Styles: 19th Century
A study of Western music from Beethoven to Mahler and Richard Strauss. Emphasis is placed on listening and analysis of scores of the leading composers. Bibliography and independent research are included. Offered 1989-90 and alternate years.
Prerequisite: Music 201.

3 credit hours

304. Music History and Styles: 20th Century
Listening and analysis of stylistic innovations in Western music from Debussy to the present. Composers are studied through biographical sketches, compositional listings, and analyses of representative works. The course includes study of bibliographies, preparation of research journals, and presentation of oral and written

reports. Offered 1988-89 and alternate years.
Prerequisite: Junior standing.

3 credit hours

305. Music in the Church
A study of the music of the church with attention to the traditions within which the music was composed as well as the contemporary use of music in worship. ~~The course includes supervised experience in a church situation.~~ Offered 1989-90 and alternate years.
Prerequisite: Junior standing.

3 credit hours

306. Elementary School Music
A course in music for classroom teachers. Emphasis is placed on singing, song leading, and performance of song accompaniments on guitar and recorder. Offered 1988-89 and alternate years.
Prerequisite: Junior standing.

2 credit hours

307. Methods and Materials in Music Grades 1-12
A study of methods and materials for general vocal and instrumental music classes. Lesson-planning, observation, song-leading, and basic accompaniment ability are emphasized. Offered 1988-89 and alternate years.
Prerequisite: Education 218.

3 credit hours

308. Pedagogy in the Applied Field
A study of various teaching techniques and a practical introduction to materials and procedures. Emphasis on observation, with opportunity for practical application. Offered as demand warrants.

1 credit hour

321. Advanced Conducting
The course is designed to develop conducting skills, rehearsal technique, and score reading ability. Students gain practical experience in conducting an ensemble along with their classroom work. Offered as demand warrants.
Prerequisite: Music 222.

2 credit hours

325. Woodwind Methods I
An introduction to woodwind instruments. Emphasis is placed on elementary preforming ability on clarinet, flute, and saxophone. Offered 1988-89 and alternate years.

1 credit hour

326. Woodwind Methods II
An introduction to double-reed woodwind instruments. Emphasis is placed on elementary performing ability on oboe and bassoon. Offered 1988-89 and alternate years.

1 credit hour

327. Percussion Methods
An introduction to percussion instruments. Emphasis is placed on performance on the snare drum. Offered 1988-89 and alternate years.

1 credit hour

343. Practicum in Church Music
Supervised practical experience in the music program of a church. Development of leadership skills in vocal and instrumental music emphasized.
Prerequisite: Junior standing.

3 credit hours

350. Individual Study in Music
An advanced individual study course. The subject matter is variable according to the needs of the student.

3 credit hours

351-352. Independent Study
Individual study, with the guidance of a faculty superviser. Ordinarily taken in the spring term of the junior year and the fall term of the senior year.

6 credit hours

401. Literature in the Applied Field I
A chronological survey of the standard repertoire of each performance medium through score study, record listening, and performance. Offered as demand warrants.

1 credit hour

402. Literature in the Applied Field II
A continuation of Music 401. Offered as demand warrants.

1 credit hour

Applied Music

The study of applied music is central to all curricula in music and is a valuable elective for students in majors other than music. One and one-half credit hours per semester are earned for a half-hour lesson and at least five hours practice per week. Three credit hours per semester are earned for an hour lesson or two half-hour lessons and at least 10 hours practice per week.

Composition
Development of basic techniques in the structure and craft of musical composition. Writing in all forms according to individual abilities.
Prerequisite: Music 102.

Guitar
Proper foundation for right and left hand techniques. Emphasis on classical etudes and tone production. Repertoire ranging from early lute music to contemporary guitar compositions.

Harpsichord
Manual techniques and principles of registration. Study of ornamentation, phrasing, and various tonal attacks. Repertoire to include recitative and aria accompaniment style in such works as Handel's Messiah and other works as specified by the instructor.

Organ
Manual and pedal technique. Proficiency in contrapuntal style and fundamental principles of registration. A minimum standard repertoire specified by the instructor, covering representative styles. Accompanying of hymns, anthems, service music, and soloists.

Percussion
Studies in snare drum, tympani, and mallet instruments, including solo and orchestral literature. A minimum standard repertoire covering representative styles, specified by the instructor.

Piano
Proficiency in all major and minor scales and basic keyboard techniques, pedaling, tone production and phrasing, selected etudes, and a minimum standard repertoire. Accompanying experience.

String Instruments (Violin, Viola, Cello, Double Bass)
Selected studies adapted to the individual needs of the student. A minimum standard repertoire for solo and orchestral media covering representative styles, specified by the instructor.

Voice
Development and control of the mechanism, tone building, controlled breathing, and the physical activity of singing. A minimum standard repertoire specified by the instructor, covering representative styles.

Wind Instruments (Brasses, Woodwinds)
Basic fundamentals and techniques in study methods for the particular instrument. A minimum standard repertoire in solo and orchestral media, covering representative styles, specified by the instructor.

Ensemble Credit

The Maryville College Concert Choir, the Maryville College-Community Orchestra and the Highlander Wind Ensemble are open to all students. One credit hour per semester may be earned by participation in one of these organizations.

The Bachelor of Science in Nursing Degree

Ms. Craig, Ms. Clift, Ms. Weatherington

The Bachelor of Science in Nursing is a professional degree, designed for students who wish to pursue careers as registered nurses. The program serves two types of students—those with no education and experience in nursing and those already licensed as R.N.'s. Students beginning their preparation follow the generic nursing curriculum, an integrated course of study that normally requires about four years of full-time college work.

Students who are already licensed, graduates of hospital diploma schools or two-year colleges receive appropriate credit for their college-level study and consequently tend to earn the degree more quickly. Moreover, they may gain full or partial exemption from several courses by demonstrating proficiency on challenge examinations. R.N.'s may pursue the degree on a full-time or part-time basis, as their work schedules and the availability of courses permit.

The program of study includes three principal elements—general education, major-related subjects, and courses on nursing theory and clinical practice. The general education courses have as their purpose the development of the intellectual and communication skills, the breadth of perspective, and the individual attributes necessary for personal effectiveness

and continuing growth. The major-related courses, most of which are in the natural and social sciences, serve as the foundation for upper-level study in professional nursing.

The courses in nursing aim to help the student master critical knowledge and clinical skills, develop essential sensitivities and self-confidence, and understand the evolving role of the professional nurse in health care systems. Courses in nursing are taught on the Maryville College campus and in other suitable classroom and clinical facilities in the Greater Knoxville area, notably the 575-bed Fort Sanders Regional Medical Center.

Entrance into the nursing program, and subsequent continuation therein, requires satisfaction of certain basic qualifications. Students are selected at the end of the freshman year. Only those are admitted who (a) complete all prescribed freshman year courses with a cumulative GPA of at least 2.0, (b) demonstrate sound physical and mental health through a physician's examination, and (c) evidence personal qualities appropriate for a career in nursing.

To continue in the program, a grade of at least "C" is required in all nursing courses, including satisfactory performance of all required skills in clinical courses. (In nursing courses, a "C" is understood to be 72-80 on a 100-point scale.) No more than one "D" in a major-related course is permitted. Also required at the end of the junior year is a cumulative GPA of not less than 2.0. Failure to meet any one of the standards for continuation results in dismissal from the program.

The total curriculum for the B.S.N., requiring at least 128 credit hours, is tightly structured and highly sequential. For that reason, clarity of purpose, high motivation, and thoughtful planning are necessary to normal degree progress. To insure that courses are scheduled at the proper time, students are encouraged to consult regularly with the Director of Nursing Education or another designated adviser.

All courses listed below are required. The general education requirement consists of 29 credit hours. In major-related courses, 36 credit hours must be completed. The courses in nursing total 54 credit hours. The paradigm for completing the degree specifies the order in which courses should be scheduled. Students in the generic curriculum should follow the paradigm closely. All students in the generic nursing major must take the off-campus experiential interim offered by the nursing department in the senior year.

General Education Requirement

English 130
Inquiry/Orientation 110
History 180 or 190
Religion 230 or 240
English 270
Mathematics 120
African Studies 310 or East Asian Studies 320
Fine Arts 210
Humanities 390

Major-related Requirements

Psychology 101: Introductory Psychology
Psychology 211: Child Development
Sociology 101: Introductory Sociology, or
Sociology 211: Cultural Anthropology

Chemistry 117: Fundamentals of Chemistry
Biology 217/218: Anatomy & Physiology I and II
Chemistry 119: Nutritional Biochemistry
Chemistry 231: Pharmacology
Physical Education 101: Human Health and Development
Biology 219: Microbiology
Management 302: Principles of Management

Courses in Nursing

Nursing 201: Universal Needs
Nursing 203: Health Assessment
Nursing 301: Developmental Needs I
Nursing 302: Developmental Needs II
Nursing 311: Health Deviation I
Nursing 312: Health Deviation II
Nursing 313: Health Deviation III
Nursing 324: Contemporary Professional Concepts
Nursing 412: Promoting Self-care in Community Settings
Nursing 351-352: Independent Study and Research in Nursing

201. Universal Needs
An introduction to the nursing process and basic skills learned within the context of universal needs. Concepts are presented related to developing nursing roles, responsibilities and professional attitudes.
Prerequisites: Biology 219, Sociology 101, Psychology 101, and Chemistry 117.
6 credit hours

203. Health Assessment
Focus is on the use of interviewing and physical assessment techniques to form a data base on which to begin the use of appropriate nursing systems. Normal findings are emphasized as they are found in various age groups. Common deviations will be discussed. Clinical experience will be provided in the classroom lab and other selected populations.
Prerequisites: Psychology 101, Sociology 101 and Biology 217/218.
2 credit hours

301. Developmental Needs I
Focuses on the childbearing family. Examines pregnancy as a developmental self-care requisite and nursing agency necessary to support the process of development. Includes assessment and universal needs of the newborn. Emphasis is on partially compensatory and supportive educative nursing systems to meet identified defects. Clinical laboratory experience is provided in acute care, primary care, and community settings.
Prerequisites: Nursing 201 and 203.
5 credit hours

302. Developmental Needs II
Focus is on the family life cycle, identification of developmental needs of family members individually and collectively. Clinical practice centers on the family as client, with evaluation to identify self-care deficits and plan appropriate interventions. Health assessment of the normal child through the older adult is considered as an aspect of health maintenance.
Prerequisites: Nursing 201, 203 and 301.
5 credit hours

311. Health Deviation I
Emphasis on the partly compensatory nursing system to promote and assist ill adults, children and families toward self-care. Content includes episodic physiological and psychological disorders based on Orem's universal needs. Concepts of health promotion and coping skills are emphasized throughout the course. Clinical laboratory experience is provided in the acute care hospital setting.
Prerequisite: Nursing 201.

10 credit hours

312. Health Deviation II
Focuses on providing care for children and families using the partly compensatory and supportive educative nursing systems. Acute and chronic physiological disorders are addressed in the context of Orem's universal needs. Clinical laboratory experience is provided in pediatric acute care and outpatient care settings.
Prerequisite: Nursing 311.

5 credit hours

313. Health Deviation III
Focuses on the use of wholly compensatory and supportive educative nursing systems for persons of all ages. Concepts related to crisis care, coping, chronicity, and rehabilitation are emphasized. Moral/ethical issues will be examined as they are present in the clinical setting. Leadership principles are applied through coordination and collaboration with other health team members. Clinical laboratory experience is with individuals with physiological and psychological disorders as found in acute care and outpatient care settings.
Prerequisites: Nursing 311, 312.

5 credit hours

324. Contemporary Professional Concepts
An exploration of the nursing profession as it relates internally to individual members of the profession and externally to the broader population. Issues related to image, legalities, legislative processes, and nursing roles will be addressed. Resource allocation, quality care, and other emerging concerns related to the profession are included.
Prerequisite: Junior standing.

3 credit hours

351-352. Independent Study and Research in Nursing
Introduction to research methodologies specific to nursing, based on the scientific method. Individual study with guidance of a faculty member, culminating in a formal research study. Taken during fall and spring semesters of the senior year.
Prerequisite: Mathematics 120.

6 credit hours

412. Promoting Self-Care in Community Settings
Integrated theory related to community health nursing with planned experiences in appropriate settings. Includes assessment and evaluation of a community in relation to its health needs and resources. Epidemiology is used as an application of the nursing process. Planned interventions in the community provide opportunity for synthesis of previously learned skills applied in care of individuals and families. Offered 1989-90 and alternate years.
Prerequisite: Nursing 312.

7 credit hours

Standard Paradigm for the Generic Curriculum

FALL		SPRING	
	Freshman		
English 130	3	Psychology 101	3
Orientation/Inquiry 110	4	Mathematics 120	4
Chemistry 117	4	Chemistry 119	3
Biology 217	3	Biology 218	4
	14		14
Interim			
	Sophomore		
Physical Education 101	3	Nursing 201	6
Religion 230 or 240	3	Nursing 203	2
Biology 219	4	Chemistry 231	3
Sociology 101 or 211	3	Psychology 211	3
			14
English 270	3		
	16		
	Junior		
History 180 or 190	3	Nursing 311	10
Nursing 301	5	Fine Arts 210	3
Nursing 302	5	African Studies 310/East Asian Studies 320, or Humanities 390	3
Elective(?)	(3)		
	13(16)		16
Interim (experiential)			
	Senior		
Nursing 312	5	African Studies 310/East Asian Studies 320 or Humanities 390	3
Nursing 313	5	Nursing 412	7
Management 302	3	Nursing 324	3
Nursing 351	3	Nursing 352	3
	16		16
Interim: (Nursing experiential)			
TOTAL HOURS: 128			

Interim is a three-week period in January in which students concentrate on a single course. Satisfactory completion of three Interims is required for students enrolled at Maryville College for four years.

Directory

Officers and Faculty 1988-1989

(The year following title is that of first appointment)

Principal Administrative Officers

RICHARD I. FERRIN
President (1987)
B.A., Barrington College; Ed.M., Rhode Island College; Ph.D., Stanford University.

DEAN ALLEN BOLDON
Academic Vice President and Dean of the Faculty (1979)
B.A., Hanover College; M.Div., Princeton Theological Seminary; Ph.D., Vanderbilt University.

WILLIAM H. ETLING
Vice President for College Advancement (1987)
B.S., Ashland College.

SUE K. WYATT
Vice President for Student Life (1988)
B.S., Shenandoah Conservatory of Music; M.A., Ed.D., George Peabody College for Teachers of Vanderbilt University.

CARL A. PAGLES
Dean of Admissions and Enrollment Management (1988)
B.A., McKendree College.

V. JAMES MOORE
Treasurer (1988)
B.S., University of Denver.

DONNA F. DAVIS
Business Manager (1979)
B.A., Maryville College.

Administrators Emeriti

JOSEPH J. COPELAND
President Emeritus (1961)
B.A., Trinity University; B.D., McCormick Theological Seminary; Honorary Degrees: D.D., Trinity University; LL.D., Maryville College.

FRANK DeLOSS McCLELLAND
Dean Emeritus (1937)
B.A., Grove City College; Pennsylvania State University; M.S., LL.D., Grove City College.

Faculty

CHARLOTTE HUDGENS BECK
Professor of English (1966)
B.Mus., M.A., Ph.D., University of Tennessee, Knoxville.

ALICIA BERRY
Assistant Professor of Business (1984)
B.S., American University; M.Ac., University of Tennessee, Knoxville.

THELMA E. BIANCO
Assistant Professor of Art (1971)
B.S.Ed., Texas Technological University; M.A., Texas Women's University; M.F.A., East Tennessee State University.

JAMES ALBERT BLOY
Professor of Music, Chairperson of the Division of Fine Arts (1953)
B.A., B.Mus., North Central College; M.Mus., Eastman School of Music; S.M.D., School of Sacred Music, Union Theological Seminary.

DEAN ALLEN BOLDON
Professor of Sociology (1979)
B.A., Hanover College; M.Div., Princeton Theological Seminary; Ph.D., Vanderbilt University.

ROBERT JOHN BONHAM
Associate Professor of Music (1965)
B.Mus., Phillips University; M.Mus., University of Kansas; Ph.D., Ohio University.

FRANK GOHEEN BRADLEY
Instructor in Speech and Theatre (1987)
B.A., University of North Carolina, Asheville; M.A., Indiana University; Cornell University.

SCOTT BRUNGER
Assistant Professor of Economics (1982)
A.B., Yale University; Ph.D., New School for Social Research.

TERRY ALLEN BUNDE
Associate Professor of Chemistry (1977)
B.S., Rollins College; Ph.D., University of Florida; Baylor College of Medicine.

ARTHUR STORY BUSHING
Associate Professor of English, Chairperson of the Department of Languages and Literature (1943)
B.A., Maryville College; M.A., University of Tennessee, Knoxville.

LEONARD BUTTS (1988)
Assistant Professor of English
B.S., M.A., University of Florida; Ph.D., University of Tennessee, Knoxville.

DAVID RAY CARTLIDGE
Professor of Religion, Chairperson of the Department of Religion and Philosophy (1966)
A.B., College of Wooster; B.D., McCormick Theological Seminary; Th.D., Harvard University.

GAIL W. CLIFT
Instructor in Nursing (1987)
B.S., M.S.N., University of Tennessee, Knoxville.

MARTHA PRATER CRAIG
Instructor in Nursing (1987)
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CAROLYN BABB CUDDY
Instructor in Business Administration (1985)
B.S., M.B.A., University of Tennessee, Knoxville.

PATRICIA ALISON DARKEN
Instructor in Computer Science (1986)
B.S., University of Illinois, Champaign; M.L.S., M.S., University of Tennessee, Knoxville.

WILLIAM HUNTER DENT
Professor of Mathematics, Chairperson of the Department of Mathematics, Physics and Computer Science (1964)
B.A., Maryville College; M.S., University of Kentucky; Ph.D., University of Tennessee, Knoxville.

ROBERT FRANKLIN ERGENBRIGHT, II
Assistant Professor of Music (1983)
B.A., Emory and Henry College; M.Mus., Catholic University; M.A., Boston University; Florida State University.

RICHARD I. FERRIN
Professor of Organizational Behavior (1987)
B.A., Barrington College; Ed.M., Rhode Island College; Ph.D., Stanford University.

GLENN A. HEWITT
Assistant Professor of Religion and Philosophy (1988)
B.A., Wake Forest University; M.Div., Southern Baptist Theological Seminary; Ph.D., University of Chicago.

HARRY LEE HOWARD
Associate Professor of Political Science, Chairperson of the Division of Social Sciences (1976)
B.A., Tennessee Wesleyan College; M.A., M.Th., Southern Methodist University; Ph.D., University of Tennessee, Knoxville.

SALLY ELIZABETH JACOB
Assistant Professor of Psychology (1985)
B.A., Shimer College; M.A., Boston University; M.S.E., University of Southern Maine; Ph.D., University of Tennessee, Knoxville.

MARCIA J. KEITH
Assistant Professor of Education, Director of Teacher Education (1987)
B.A., The University of Massachusetts; Ed.M., Harvard University; Ph.D., University of Tennessee, Knoxville.

YOUNG-BAE KIM
Professor of Political Science, Coordinator of International Studies (1979)
B.A., Yonsei University; M.S., Indiana University; Ph.D., University of Kansas.

MARJORIE THIEL KRATZ
Associate Professor of History (1968)
B.A., M.A., University of Massachusetts; Ph.D., University of Oregon.

WALLACE LEIGH LEWIS
Professor of History, Chairperson of the Department of History (1962)
B.A., University of Akron; M.A., Ph.D., University of Iowa.

REBECCA YOUNG MARCUM
Instructor, Reference Librarian (1986)
B.S., East Tennessee State University; M.S.L.S., University of North Carolina, Chapel Hill.

ROBERT JAMES NAYLOR
Professor of Chemistry, Chairperson of the Department of Biology and Chemistry (1975)
On the Aluminum Company of America Foundation
B.S., Butler University; Ph.D., Case Western Reserve University.

JOHN W. NICHOLS
Professor of Mathematics, Coordinator of the Academic Computing Laboratory (1967)
B.S., Maryville College; M.S., Ph.D., University of Tennessee, Knoxville.

CHOI PARK
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B.A., Ewha Women's University; M.L.S., George Peabody College for Teachers of Vanderbilt University.

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JOHN HENRY PERRY
Associate Professor, Chairperson of the Department of Health, Physical Education, and Recreation (1985)
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BRENDA D. PHILLIPS
Assistant Professor of Sociology (1986)
B.A., Bluffton College; M.A., Ph.D., Ohio State University.

ROBERT CLINTON RAMGER
Associate Professor of Biology (1956)
B.S., Maryville College: M.S., Ph.D., University of Tennessee, Knoxville; University of Minnesota.

EILEEN RIORDAN
Associate Professor of Biology (1984)
B.A., Emmanuel College, M.A., Madras University; Ph.D., Boston College.

RUTH SANDEFUR-YATES
Instructor in Sign Language Interpretation (1982)
B.S. in Ed., University of Tennessee, Knoxville; M.S. in Ed., Converse College.

SUSAN SCHNEIBEL
Assistant Professor of Comparative Literature (1984)
B.A., Emmanuel College; M.A., Rutgers University; Oxford University; Ph.D., University of Erlangen-Nürnberg.

SALLIE WARTH SCHOEN
Associate Professor of Music (1955)
B.Mus., Oberlin Conservatory of Music; M.Mus., Indiana University; Mozarteum, Salzburg; Dalcroze Certificate, Ithaca College.

VICTOR ROBERT SCHOEN
Associate Professor of Music (1955)
B.A., Miami University; M.Mus., Indiana University; Mozarteum, Salzburg.

CHRISTINA G. STANLEY
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Professor of Psychology, Chairperson of the Division of Behavioral Sciences and Human Services (1963)
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Adjunct Faculty

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Sociology (1987)
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Art (1985)
B.A., University of Tennessee, Knoxville; M.F.A., University of Iowa.

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B.A., Doshisha University; M.A., Ohio University.

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Psychology (1978)
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B.S., M.A., Bowling Green State University; Ph.D., Ohio State University.

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Physical Education (1985)
B.A., Bryan College; Federation Française de Football (Soccer), Paris, France.

DAVID REED POWELL
English (1988)
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PHILIP JOHN SANZONE
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B.F.A., B.A., Florida Atlantic University.

MARGARET MANN THEISSEN
Music (1988)
B.A., Maryville College; M.Mus., Northwestern University; Internationales Opern Studio, Zurich, Switzerland.

PAUL THEISSEN
Music (1988)
Music Conservatory, Aachen, West Germany; University of Cologne, Cologne, West Germany.

PHILLIP COOPER WILKS
Physical Education (1988)
B.A., M.A., Marshall University.

Professors Emeriti/Emeritae

CAROLYN LOUISE BLAIR
English
B.A., University of Montevallo; M.A., Ph.D., University of Tennessee, Knoxville.

RALPH STOKES COLLINS
Foreign Languages
B.A., M.A., University of North Carolina; Ph.D., Johns Hopkins University.

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B.A., Birmingham-Southern College; B.D., Vanderbilt University; M.A., Ph.D., University of Tennessee, Knoxville.

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B.A., Maryville College; M.S., Iowa State University; Ph.D., Indiana University.

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B.A., San Jose State College; M.Mus., University of Nebraska; S.M.D., School of Sacred Music, Union Theological Seminary.

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B.A., Smith College; M.A., University of Michigan; Ph.D., University of Colorado.

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ARTHUR RANDOLPH SHIELDS
Biology
B.A., Maryville College; M.S., Ph.D., University of Tennessee, Knoxville.

ARDA SUSAN WALKER
History
B.A., Maryville College; M.A., University of Tennessee; Ph.D., University of North Carolina.

Administration

S.M. ATCHLEY
Director of the Center for Professional Development (1978)
B.A., Maryville College; M.S., University of Tennessee, Knoxville.

SUSAN BURKETT CAMPBELL
Director of the Learning Center (1983)
B.S., M.S., University of Tennessee, Knoxville.

KELLY FRANKLIN
Director of the Center for English Language Learning (1986)
B.A., Rice University; M.A., Ohio University.

BRUCE GUILLAUME
Director of the Life Enrichment Center (1978)
B.A., Maryville College; A.C.S.W., University of Tennessee, Knoxville.

MARTHA LEE HESS
Registrar (1974)
B.A., Maryville College.

JEAN E. JONES
Director of Career Planning and Placement (1975)
B.A., M.S., University of Tennessee, Knoxville.

ELEANOR C. KOELLA
Director of Development and Alumni Relations (1977)
B.A., Montclair State College; University of Tennessee, Knoxville.

RANDALL DEAN LAMBERT
Athletic Director and Basketball Coach (1980)
B.A., Maryville College; M.S., University of Tennessee, Knoxville.

ANNABELLE J. LIBBY
Director of Alumni Admissions Program and Transfer Student Coordinator (1982)
B.A., Maryville College; M.A.L.S., Kent State University.

ANDREW K. McCALL
Physical Plant Director (1988)
B.S., Tennessee Technological University.

SARAH BROWN McNIELL
Director of Continuing Education (1982)
B.A., Maryville College; M.A., Ph.D., University of Tennessee, Knoxville.

LESLIE NIER
Director of Campus Life (1978)
B.A., Maryville College.

DANIEL J. PERKINS
Director of Financial Aid (1979)
B.A., Glenville State College.

ELIZABETH WELSH RANKIN
Assistant to the Director of Development, and Director of Campus Events (1959)
B.A., Maryville College.

JANE G. RICHARDSON
Student Events Coordinator (1976)
B.S., University of Tennessee, Knoxville; University of Tennessee, Knoxville.

LEW CLARK RUDISILL
Director of Camps and Conferences (1987)
University of Tennessee, Knoxville.

EMILY C. YARBOROUGH
Director of Communications (1987)
B.S., University of Tennessee, Knoxville.

Board of Directors

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Mrs. Mary Lib Jackson, Maryville, TN
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Mr. R. Brad Martin, Memphis, TN
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Mr. Richard Van Sickle, Knoxville, TN
Mr. Lew Weems, Maryville, TN

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Mrs. Eleanor Dixon, Ft. Lauderdale, FL
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Honorable James H. Jarvis, Knoxville, TN
Mr. William B. Sansom, Knoxville, TN

Directors Emeriti/Emeritae

Edwin J. Best, Maryville, TN
Mildred Doyle, Knoxville, TN
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James Hayden Laster, Maryville, TN
John Nevius Lukens, Birmingham, AL
Judson B. Murphy, Alcoa, TN
Samuel M. Nabrit, Atlanta, GA
James N. Proffit, Sr., M.D., Maryville, TN
Algie Sutton, Birmingham, AL
Harold Blake Walker, Evanston, IL

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Edward Brubaker, Prairie Village, KS
Arnold Kramer, Knoxville, TN
John Magill, Cape Coral, FL
Dan McGill, Philadelphia, PA

Index

Academic Advising 19
Academic Standards 37
Academic Standing 39
Academic Suspension 39
Academic Year 5
Activity Courses 88
Accounting 54
Administrative Officers 117
Administrative Staff 124
Admission Requirements 6
Advanced Placement Examination Program 9
American Studies 46
Application for Admission 6
Application for Financial Aid 14
Applied Music 111
Argonne Semester 28
Art 47
Athletics 18
Athletic Training 49,86
Bachelor of Arts Degree 42
Bachelor of Music Degree 106
Bachelor of Science in Nursing Degree 112
Biology 49
Biology for the Health Sciences 50
Biology/Secondary Education 50
Board of Directors 126
Buildings 17
Business 54
Campus Organizations 17
Career and Graduate School Preparation 31
  Arts and Sciences 31
  Business 31
  Church-Related Vocations 32
  Engineering 32
  Interpreting for the Deaf and Hearing-Impaired 33
  Law 33
  Medicine and Other Health-Related Professions 33
  Music Therapy 34
  Nursing 34
  Teaching 34
Career Planning and Placement 19
Center for Campus Ministry 17
Center for English Language Learning 10
Chemistry 56
Chemistry for the Health Sciences 56
Chemistry/Secondary Education 56
Child Development 60, 93
Church Music 106

Class Attendance 36
Class Schedule 36
Clubs 17
College Campus 20
College-Level Examination Program 9
Community Issues and Values Program 29
Comprehensive Examination 24
Computer Science/Business 60
Computer Science/Mathematics 60
Computer Science 60
Conditional Admissions 8
Conferral of Degrees 40
Continuing Education Degree Program 10
Counseling Services 17
Course Load 36
Credit by Examination 9
Dance 62
Dean's List 39
Debate 62
Degree Requirements 21
Degrees 21
Deposits 12
Early Admission 8
Ecology 62
Economics 62
Education 64
Educational Goals 3
Elementary Education 64
Employment 16
Engineering 67
English 67
English Proficiency Examination 24
Ensemble Credit 112
Expenses 11
Faculty 118
Fees 11
Financial Aid 14
Food Services 18
Foreign Languages 72
French 73
Freshman Inquiry Seminary and Orientation 43
General Education Requirements for B.A. Degree 42
General Education Requirements for B.Mus. Degree 106
General Education Requirements for B.Sci. in Nursing Degree . 113
German 73
Grade Point Average 38
Grades, Notification of 38
Grading System 37
Graduation Honors 39
Grants 16
Greek 74

Health Insurance 19
Health Sciences 50, 56, 86
History 74
History of the College 4
Honors Study 29
Humanities Distribution Courses 46
Independent Study 23
Individualized Major 22
Individual Study Course 29
Interim 26
International House 18
International Studies 76
International Study 26
Internships and Practica 27
Japanese 78
Late Enrollment and Withdrawal 36
Latin 78
Learning Center 28
Library 24
Life Enrichment Center 30
Loans 16
Location 20
Major Fields 22
Majors 21
Management 78
Marine Biological Laboratories, Woods Hole 29
Mathematics 80
Medical Services 19
Medieval Studies 82
Minors 23
Mountain Challenge 30
Music 83
Music Education 107
Music and Theater 17, 83
Oak Ridge National Laboratories 29
Payment Adjustments 12
Payment Policy 12
Performance 107
Philosophy 84
Physical Education 85
Physical Therapy 89
Physics 90
Political Science 91
Pre-Professional and Cooperative Programs 23
Professors Emeriti/Emeritae 124
Psychology 93
Recreation 86, 93
Refund Policies 12
Religion 95
Residence Halls 18
Residency Requirement 18

Savannah River Ecological Station 28
Scholarships 14
Science Research and Field Experiences 28
Sign Language Interpretation 97
Sociology 100
Spanish 101
Special Learning Opportunities 26
Specialized Programs of Instruction 42
Speech-Theater 103
Sports 18
Sports Fitness Management 104
Sports Management 105
Statement of Purpose 3
Student Body 20
Student Classification 37
Student Life 17
Student Responsibility 40
Student Services 19
Transfer Applicants 7
Transfer Credit 7
Veterans 8
Washington Center for Learning Alternatives 28
Withdrawal Procedure 8
Writing/Communications 67,105

Maryville College reserves the right to withdraw courses at any time, change fees, rules, calendar, curriculum, graduation requirements, and any other requirements affecting students.

Additional academic information on class meeting times and places is available in the separate MC course schedule booklet published by the Registrar's Office. Students should consult the MC *Student Handbook* for policy and regulations relating to student conduct and conditions for dismissal for unsatisfactory conduct, residence hall regulations and the MC policy on Students' Rights to Privacy in compliance with the Family Educational Rights and Privacy Act of 1974. Student grievances are handled through the College's Office of Student Life, and copies of the grievance procedure are available from that office.

Maryville College does not discriminate on the basis of race, sex, color, religion, national origin, age, handicap, or veteran status in provision of educational opportunities and benefits.

Pursuant to the requirements of Title IX of the Education Amendments of 1972, P.L. 92-318; and Section 504 of the Rehabilitation Act of 1973, P.L. 93-112, Maryville College does not discriminate on the basis of sex or handicap in the education programs and activities which it operates. This policy extends to both employment by and admission to the College.

Inquiries concerning Title IX and Section 504 should be directed to the Office of the President, Anderson Hall, 982-6412. Charges of violation of the above policy should also be directed to the President's Office.

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